Ground Temperature Database for Northern Canada

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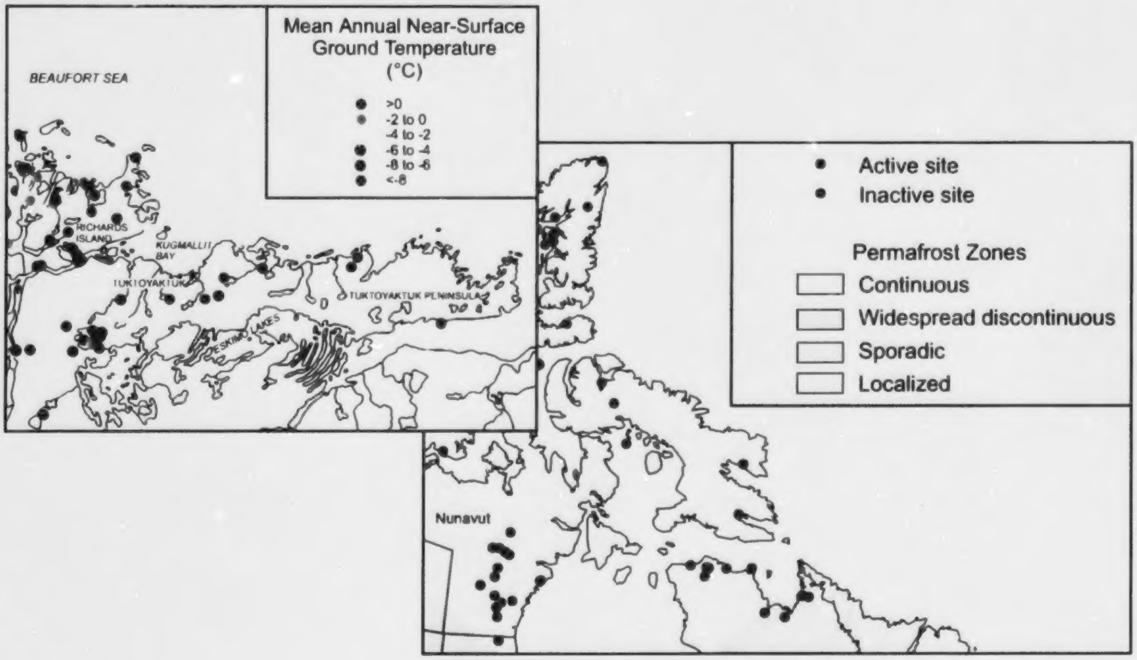
Mean Annual Near-Surface Ground Temperature (°C)
● >0
● -2 to 0
● -4 to -2
● -6 to -4
● -8 to -6
● <-8
BEAUFORT SEA
RICHARDS ISLAND
KUGMALLIT BAY
TUKTOYAKTUK
TUKTOYAKTUK PENINSULA
ESKIMO LAKES
● Active site
● Inactive site
Permafrost Zones
☐ Continuous
☐ Widespread discontinuous
☐ Sporadic
☐ Localized
Nunavut

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Canada

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Enclosure: Diskette Containing the Database

ABSTRACT

A summary ground temperature database for northern Canada is presented. This national database includes publicly available information from published and unpublished sources for 656 sites, 526 of which are in the permafrost region. The majority of the sites are currently abandoned, with only about 17% active. Measurements at the inactive sites were generally recorded between 1960 and the mid 1980s. Although ground temperatures were measured over a number of years at many sites, the database compilation contains mainly summary information. No attempt has been made to include the entire time series data sets for either active or inactive sites. The reference for each site is provided and may be consulted for further information. Information on site characteristics such as air temperature, snow cover and vegetation which influence the ground temperature regime has also been compiled.

The entire database is presented digitally as an Excel spreadsheet. A series of maps and graphs illustrate site distribution, near-surface ground temperatures, and other attributes of the database.

INTRODUCTION

Publicly available data from published and unpublished sources have been compiled to produce a ground temperature database for northern Canada. The database builds upon an unpublished ground temperature database for northern Canada originally developed at the Geological Survey of Canada (GSC) in the mid 1980s by Young and Judge (1985). Ground temperature information for 656 sites, of which 526 are in the permafrost region is reported. Climatic data and information on site characteristics which influence the ground temperature at a particular site are also included.

The main features of the ground temperature regime are first described briefly below in order to define the terms that are used in the database. The database structure is then outlined, followed by a review of the sources of information. A general discussion of the data is presented, including a series of summary maps and tables. The database is provided on the accompanying diskette.

GROUND TEMPERATURE REGIME IN PERMAFROST

The ground temperature regime in an area with permafrost is illustrated in Figure 1. Permafrost exists where the ground temperature remains at or below a temperature of 0°C for at least two consecutive years (International Permafrost Association, 1998a). The permafrost base is defined by the position of the 0°C isotherm. Near the ground surface, ground temperatures rise above 0°C for part of the year. This seasonally thawed layer is called the active layer.

The maximum and minimum temperature experienced annually at each depth define the annual ground temperature envelope. The difference between the maximum and minimum ground temperature decreases with depth, and the level below which seasonal changes in ground temperature do not occur is referred to as the depth of zero annual amplitude. Below the level of zero annual amplitude, the temperature increases with depth due to the geothermal gradient. The mean annual ground temperature profile is defined by the average annual temperature at each depth. The mean annual ground surface temperature can be estimated by upward extrapolation of the geothermal gradient from the level of zero annual amplitude to the ground surface (Lunardini, 1981) provided the measured gradient is in equilibrium with surface conditions.

Further information on the nature and distribution of permafrost, the factors influencing the ground thermal regime, and the challenges permafrost presents to northern development can be found for example in Williams and Smith (1991), Heginbottom et al. (1995), French (1996), Burgess and Smith (in press), and Smith et al. (in press).

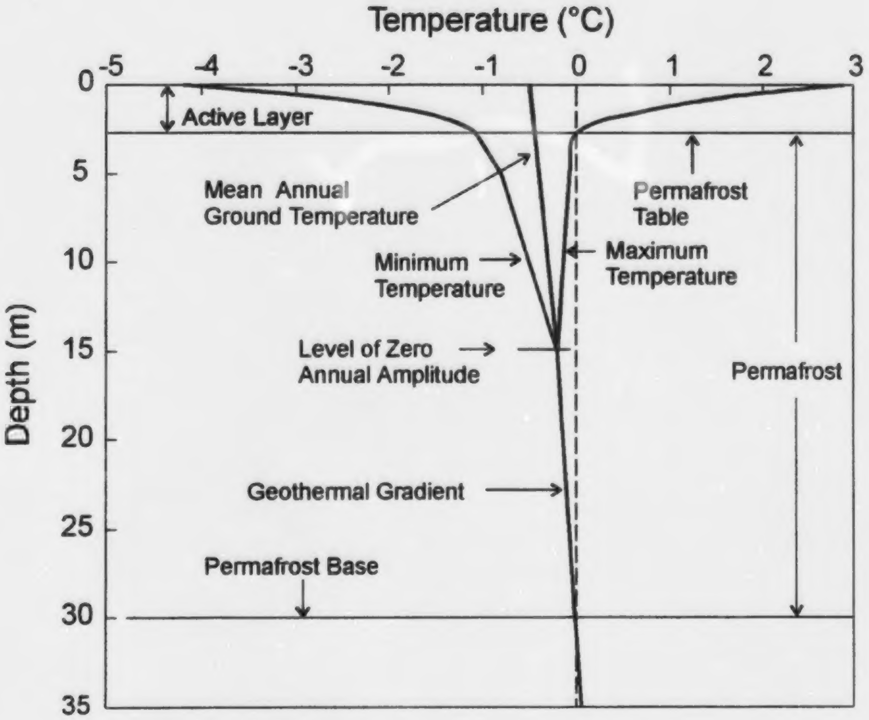

Figure 1. Features of the ground thermal regime in permafrost based on data from a Yellowknife site (data from Brown, 1973).

DATABASE STRUCTURE

The ground temperature database, developed using the Microsoft Excel spreadsheet program contains the following fields, each of which is described below:
Location and site; latitude and longitude; elevation; type of information; status of site; period; mean annual air temperature; average annual snowfall, month of maximum snowfall; maximum thickness and duration of snow cover; mean, maximum and minimum ground temperature at various depths; vegetation type; earth materials; active layer thickness; permafrost region; comments; source.

Database Fields

Site Location and Site Identifier

The location of the ground temperature measurement site was generally given a name by the relevant source of the information. Where no name was given, a general broad regional name was assigned to the entry. Some locations have measurements for more than one site. In these cases each site name (site identifier) as given in the original source has been included.

Latitude and Longitude

Latitude (°N) and longitude (°W) were usually given by the original source. This information was occasionally missing and had to be approximated from the given site description.

Elevation (m)

The elevation of each site is given in metres above sea level where available. There are a few offshore sites in the database and these are indicated by an elevation less than zero.

Type of Information

This field gives a general idea of the source of information. Eight categories are used:
AES - former Atmospheric Environment Service (now Meteorological Service of Canada), Environment Canada
AECL - Atomic Energy of Canada Limited
DBR - former Division of Building Research of National Research Council of Canada
EPB - former Earth Physics Branch of former Energy Mines and Resources (merged with Geological Survey of Canada in 1986 which is now part of Natural Resources Canada)
EBA - EBA Engineering Consultants Ltd.
GSC - Geological Survey of Canada, Natural Resources Canada
AgCan - Agriculture and Agri-Food Canada
Other - Includes sources such as Universities or private industry.

Status of Site

Most of the sites included in the database have been abandoned and are considered inactive (I) and temperature data are no longer being collected. To the best of our knowledge data are still being collected at the present time at the sites classified as active (A). Database users may wish to check with the data source (author) to verify the status of the site.

Period

The period over which measurements were made is given when available. In the case of deep boreholes, greater than 125 m deep and drilled largely for hydrocarbon exploration, the thermal disturbance due to drilling may take up to several years to decay (Taylor and Judge, 1974). Temperature measurements were therefore often made over a period of several years until equilibrium temperatures were re-established or they could be calculated by extrapolation of a series of measurements (see discussion in next section on sources of information). At deep sites where equilibrium temperatures had not been re-established and could not be determined, the date of the last log is given. For deep boreholes where the equilibrium temperatures have been calculated, the period given represents the time over which well temperatures were measured.

For shallower boreholes, measurements were generally made several times throughout the year for a period of one year or more to obtain the annual cycle of temperature and to determine the ground temperature envelope, the mean annual temperature and the active layer.

Mean Annual Air Temperature (MAAT, °C)

The mean annual air temperature quoted in the original source has been included in the database. If this was not given, other sources such as climate normal data from the nearest Environment Canada weather station were used. In this case, the name of the station accompanies the temperature value. Since much of the original data were acquired prior to the mid 1980s, climate normals from 1951-1980 are generally reported (AES, 1982a). The 1961-1990 normals (AES, 1997) are cited for later database entries. Maximum and minimum monthly mean temperature (and associated months) were included where possible.

Average Annual Snowfall (cm), Month of Maximum Snowfall

This value indicates the average annual snowfall (cm) as recorded in the region for the same period as the mean annual air temperature or climate normal. The month of maximum snowfall, when available, has also been included. Snow provides an insulating layer that buffers the ground from variations in air temperature.

Maximum Thickness of Snow Cover (cm) and Duration of Snow Cover

The snow cover thickness is the amount of snow (cm) measured on the ground. The maximum winter snow cover depth has been included in the database to give an indication of the importance of snow cover in determining ground temperature at a particular location. The period during which the ground is covered with snow is given in the field labelled 'duration of snow cover'.

Snow cover data were extracted from the climate normals database (AES, 1997) for many of the AES sites included in the database. This information however was only reported for a limited number of other sites. Further information on snow cover in Canada can be found in MSC (2000) and Brown and Braaten (1998).

Depth, Mean Annual Ground Temperature (°C) etc.

The database contains several sets of columns which include: depth (metres); mean annual ground temperature (MAGT, °C), and in the case of shallow boreholes maximum and minimum annual temperature and month for each depth if available. At sites with numerous depth records only select depths and associated temperature measurements have been included. Average values for the period of measurement are given. For sites at which data have been collected for a one year period the maximum and minimum temperature recorded during the year are given. If the period of measurement is greater than one year, the mean annual ground temperature given is the average of the mean values calculated for each year. The maximum and minimum temperatures reported are the average of the values determined for each year during the period of observation.

For deep borehole measurements, the mean annual ground surface temperature has been estimated and two values may be given. The first value was determined by extrapolating the gradient of temperature measurements in the upper 100 m to obtain the surface intercept. The second value was calculated from a best-fit line to temperatures measured in the upper 200 m. The surface temperature calculated using the data from the upper 100 m will be representative of more recent surface climate conditions compared to that calculated using the deeper data. If a value is shown with "<=", the borehole was logged only once and therefore temperatures may not have returned to equilibrium. The calculated equilibrium temperatures at selected depths are presented in the database for sites where sufficient information for the calculation is available. Data from the most recent temperature log are given in the database for sites lacking the information required to calculate the equilibrium temperatures.

The method of measurement used to obtain ground temperatures and the associated accuracy and precision of the instrumentation is not provided in the database. The original source of data may be consulted to obtain this information.

Vegetation Type and Earth Materials

Information on vegetation type if given by the original source is reported in the database. The vegetation cover can act to buffer the ground thermal regime from changes in air temperature. Information on surficial material is also reported in the database where available. This information may be used to give an indication of the soil thermal properties.

Active Layer Thickness (cm)

At permafrost sites, the depth of seasonal thawing was in some cases given by the original source. When this value was not given, it was sometimes possible to calculate the active layer thickness from the shallow ground temperature data.

Permafrost Region

Sites were classified as being located in the continuous permafrost zone (cont.), discontinuous permafrost zone (disc.), alpine or mountain permafrost zone (alpine) or outside the permafrost region (no pf). The map of Heginbottom et al. (1995) was used to determine the permafrost zone.

Comments

Additional information about the site or data set is presented in this field. In the case of the deep borehole temperatures for example, this may include information on drilling duration or whether the equilibrium temperature has been calculated.

Source

The reference source(s) for each location are identified by number in the database. A complete reference list can be found in the Appendix.

Spreadsheet Workbook

The database is contained on the accompanying diskette. The spreadsheet workbook (Ground Temperature Database2.xls) consists of four pages:

Page 1 (ExDeep) - Contains sites where mean annual ground surface temperature has been extrapolated from deep temperature data. Many of the boreholes in this section are greater than 125 m deep and are hydrocarbon exploration wells. Others may be less than 125 m deep but only have temperature measurements below the level of zero annual amplitude.

Page 2 (shgt) - Contains sites where shallow ground temperature data is available at several depths. Boreholes are generally less than 25 m deep and temperature measurements are available above the level of zero annual amplitude.

Page 3 (shgt1) - Contains sites where shallow ground temperature data is only available at one depth.

Page 4 (shortgt1) - Contains a condensed version of the database which is presented as Table 1.

The entire database can also be found in PDF format (exdeep.pdf, shgt.pdf and shgt1.pdf) on the accompanying diskette.

SOURCES OF INFORMATION

The majority of ground temperature information was compiled using a combination of data from Environment Canada soil temperature stations and the Geological Survey of Canada (including the data from the former Earth Physics Branch) of the Department of Natural Resources (formerly Energy Mines and Resources) data from short temperature cables, and intercept temperatures from deep well log information. A number of other sources, such as the work of the late Roger Brown, were found in scientific journals and reports. Emphasis was placed on sites north of approximately 50°N latitude. The location of ground temperature measurement sites is shown in Figure 2. The major data sources are discussed briefly below.

The Canadian Geothermal Data Collection

The Canadian Geothermal Data Collection is published in Taylor and Judge (1974, 1975, 1976, 1977) and Taylor et al.(1979, 1981 and 1982). This collection contains all available non-confidential subsurface temperature data collected by the former Earth Physics Branch (now the Geological Survey of Canada) prior to 1982 from boreholes of depths greater than 125 m within the Canadian permafrost regions. Geothermal studies in preserved industrial exploratory wells in the Arctic Archipelago, Yukon, Mackenzie valley and Mackenzie Delta region are a major source for the data in this collection. The acquisition and accuracy of the data are discussed in Taylor and Judge (1974).

The drilling process disturbs the thermal equilibrium. The time required for stabilization of temperatures ranges from several months to several years to decades depending on drilling fluid temperature, duration of drilling, soil water content and the amount of heat released during freeze-back. Equilibrium temperatures have been calculated for boreholes at which several temperature measurements were made over time after the completion of drilling and after freeze-back using the technique described in Taylor and Judge (1974).

Little data were available in the upper 25 to 50 m at these deep sites, therefore it is necessary to use an extrapolation from the temperature profile at greater depth to get an estimate of the ground surface temperature. A mean annual ground surface temperature intercept value was extrapolated from the published temperature-depth graphs. Two values are reported in the database when the extrapolated ground surface temperature using the data in the upper 100 m is very different from that determined using the data in the upper 200 m. The difference in the two values may give some indication of past changes in climate.

All temperature logs for these published sites are also available digitally in the Global Geocryological Database published by the International Permafrost Association (1998b). Additional data collected by the Geological Survey in deep wells after 1982 are also included.

Yukon Ground Temperature Data Collection - 1966 to August 1981

The Yukon Ground Temperature Data Collection (Burgess et al., 1982a) presents

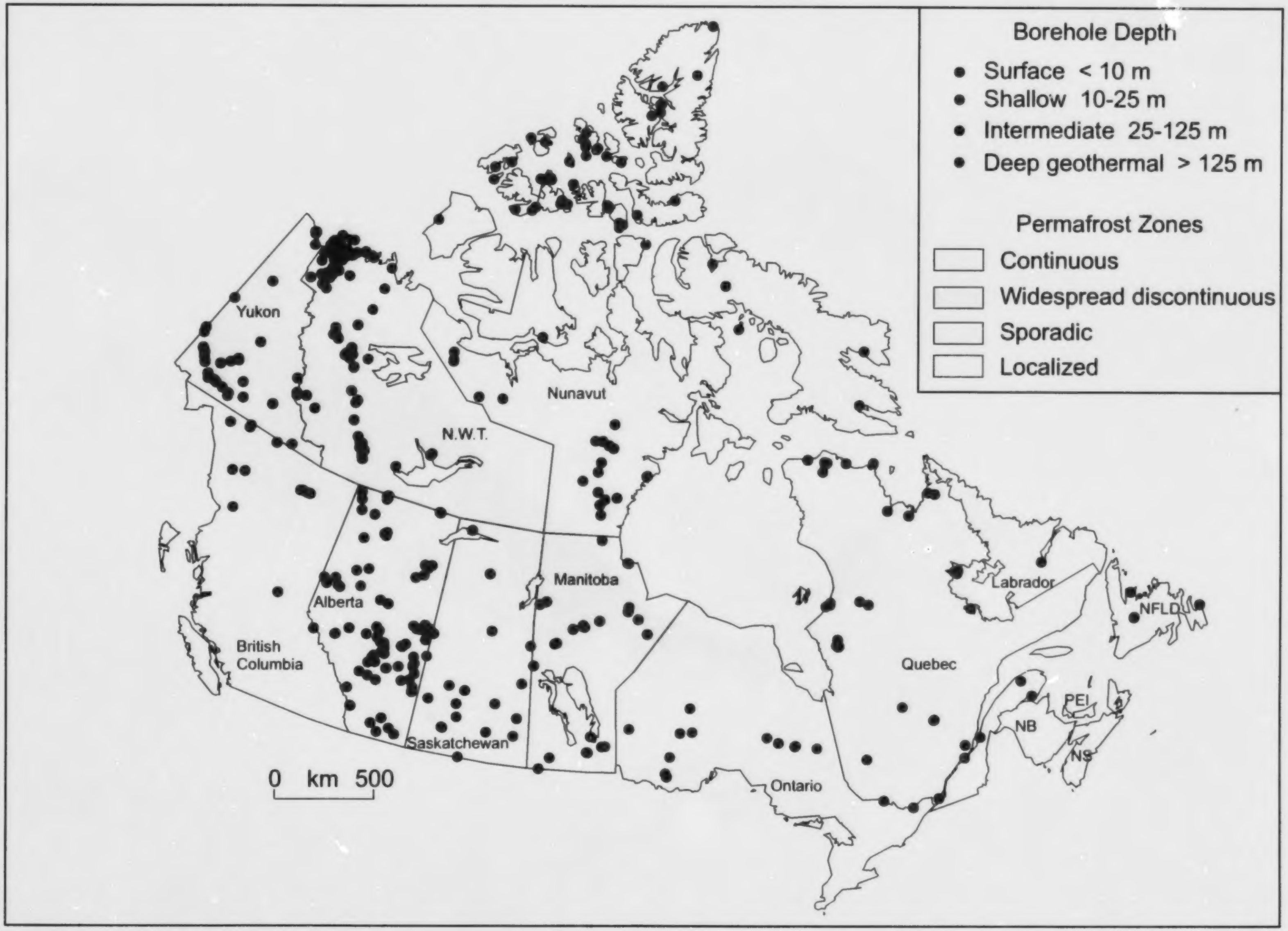
Borehole Depth
● Surface < 10 m
● Shallow 10-25 m
● Intermediate 25-125 m
● Deep geothermal > 125 m
Permafrost Zones
☐ Continuous
☐ Widespread discontinuous
☐ Sporadic
☐ Localized
Yukon
N.W.T.
Nunavut
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Labrador
NFLD
PEI
NB
NS
0 km 500

Figure 2. Location of ground temperature measurement sites and depth of borehole. The permafrost zones have been extracted from the map of Kettles et al. (1997) which is based on Heginbottom et al. (1995).

subsurface temperature measurements recorded from 1966 to August 1981 in the Yukon Territory. The collection includes information obtained from holes shallower than 125 m. These measurements were obtained in cooperation with the mining, petroleum, engineering and consulting industries, and the Department of Indian and Northern Affairs.

Norman Wells Pipeline Monitoring Program

Ground temperature measurements along the Norman Wells Oil Pipeline began in 1984 as part of the Permafrost and Terrain Research and Monitoring Program (see MacInnes et al., 1989, 1990). This program was established to monitor permafrost and terrain stability in the Mackenzie valley along the right-of way of the buried oil pipeline which traverses the discontinuous permafrost zone between Norman Wells, N.W.T. and Zama, Alberta. The distribution of permafrost varies from widespread to scattered. Ground temperature data are collected at over 25 monitoring sites located in a variety of terrain types from organic terrain with thick peat covers to fine and coarse grained mineral soils. Multi-sensor temperature cables generally 20 m in length were installed off the pipeline right-of-way at each site. Thermistors are spaced 0.5 to 1 m apart near the ground surface and 2 or 3 m apart at depth. Data collected during the first year of operation from sites off the pipeline right-of-way (Burgess, 1987) have been included in the database. Other information such as snow cover thickness, active layer thickness and lithology is reported for these sites in Pilon et al. (1989) and Burgess, (1993) . Analyses of ground temperatures and terrain stability at these sites have been reported in Burgess and Riseborough (1990), Burgess and Lawrence (1997), Nixon and Burgess (1999) and Burgess and Smith (in press).

Environment Canada Soil Temperature Sites

Soil temperature sites are found adjacent to selected climatological observation sites of Environment Canada's Meteorological Service of Canada (former Atmospheric Environment Service). Data from these sites are published in Canadian Climate Normals (AES 1984). These sites are usually situated on level ground, well exposed to wind and sun and free from unusual drifting of snow. The surface is grass which is maintained at a constant length in summer. These sites therefore are considered as 'artificial' and not truly representative of the surrounding area. Snow is allowed to accumulate throughout the winter. Thermistors are used to measure soil temperature and are placed at depths of 1, 10, 20, 50, 100 and 150 cm. Temperature and snow depth measurements are normally taken at 8:30 AM and 4:00 PM local standard times. Data for 50 of these sites are included in the database. One third of these sites are currently operating and of these, only three are located within the permafrost region, Fort Smith, N.W.T., Thompson, Manitoba and Goose A, Newfoundland. Air temperature and snowfall (AES 1982a and 1982b) data from these stations has also been incorporated into the database. In addition to these shallow soil temperature sites, Environment Canada initiated in the mid 1980s, ground temperature monitoring in seven deeper boreholes co-located with automated climate stations in collaboration with other researchers. Four of these sites are still active.

Circumpolar Active Layer Monitoring (CALM) Program Sites

Several sites have been established in northern Canada as part of the International Permafrost Association's active CALM network. These sites were established for long-term monitoring of the characteristics of the active layer. At some CALM sites shallow temperature data are also collected and summary temperature data for the period 1988 to 1997 is included in the database. Information from the initiation of the network to 1997 has been published in the Global Geocryological Database (International Permafrost Association, 1998b). Thaw depths are submitted annually and summarized on the CALM web site (http://www.geography.uc.edu/~kenhinke/CALM/index.html).

Other Sources

The work of R.J.E. Brown is a major contribution to the ground temperature database. Much of these data are the result of a program of field surveys, initiated by the Division of Building Research, National Research Council of Canada, in Alberta, Mackenzie River District, Saskatchewan, Manitoba, British Columbia, Yukon Territory, Quebec and Labrador (eg. Brown, 1973 and 1978). Engineering problems encountered during development in the southern fringe of the permafrost zone provided the stimulus for this program. Brown (1967) produced a permafrost distribution map which includes permafrost thickness and ground surface temperature information. Some stations however, had incomplete ground temperature records, records of short duration or data of questionable reliability due to observer or instrument error.

Judge (1973) conducted a study on the thermal regime of the Mackenzie valley to provide information for the assessment of pipeline proposals. The report includes geothermal measurements for over 50 locations.

Burgess et al. (1982b) present temperature data for Illisarvik Lake on Richards Island. This lake was artificially drained to investigate permafrost growth under naturally occurring field conditions. Twenty four boreholes were drilled to depths ranging from 15 to 92 m below lake level and were instrumented with thermistor cables. The predrainage mean annual ground temperatures are reported in the database.

Data have also been collected by the GSC at several other sites especially in the Mackenzie valley and Mackenzie Delta regions of N.W.T. Some of these are active CALM sites (Nixon, in press) while others are deeper boreholes that were part of regional studies such as the Mackenzie Delta transect (Dallimore, 1992).

Between 1992 and 1994, temperature data were collected by Majorowicz (1992, 1993 and 1994) from several hydrological wells located mainly in northern Alberta. Permafrost is not present at any of the sites but some of the sites are located in the discontinuous permafrost zone. Majorowicz calculated ground surface temperatures for the period 1992 to 1994 from the well temperatures and these have been included in the database.

J.R. Mackay has published numerous papers on terrain conditions in the Mackenzie Delta area and these provide a source of ground temperature data (eg. Mackay and MacKay 1972). Temperature data from boreholes drilled by Hydro-Quebec at potential dam sites have provided information on permafrost distribution in the Great Whale River Basin (Poitevin and Gray, 1982). Researchers at Laval University have conducted permafrost studies in Northern Quebec and have been monitoring ground temperatures for several years (eg; Seguin et al. 1989; Allard et al. 1995). Numerous other scientific and engineering studies, and other geotechnical reports of site investigations for northern development projects have also provided data.

DISCUSSION AND SUMMARY DATA

A summary table (Table 1) has been produced which provides information on mean annual near-surface ground temperature, borehole depth and status of measurement site for all 656 sites in the database. The table is divided into 3 sections, corresponding to each page in the database file. For deep boreholes, the ground surface temperature (i.e. depth = 0) estimated by extrapolation of the temperature profile at depth below the level of zero annual amplitude is given in the field labelled MAGT. For shallow boreholes, the temperature (MAGT) given was determined directly from observations in the upper few metres of the ground. The depth of the value in this case varies from site to site according to the sensor depth.

The spatial distribution of ground temperature measurement sites is not uniform (Fig. 2). There are more sites located in western Canada (Figs. 2 and 3) with a concentration of sites in the Mackenzie Delta and Mackenzie valley regions. The majority of sites are located between 55 and 70°N (Figs. 2 and 4). More information is available for boreholes of depths greater than 25 m than shallower holes (Fig. 2 and Table 2). The data set includes sites throughout the continuous and discontinuous permafrost zone but only four boreholes are in alpine permafrost (Fig. 2 and Table 3). About 112 sites are considered to be active (Table 4) and most of these are located in the Mackenzie valley/Delta region and northern Quebec (Fig. 5).

Table 2. Distribution of sites according to borehole depth.

Borehole Depth	**Number of Sites**
Surface (SU) < 10 m	162
Shallow (S) 10 - 25 m	126
Intermediate (I) 25 - 125 m	185
Deep (D) > 125 m	183

Table 3. Distribution of sites by permafrost zone.

Zone	**Number of sites**
Continuous Permafrost Zone	281
Discontinuous Permafrost	241
Alpine Permafrost	4
Non Permafrost Region	130

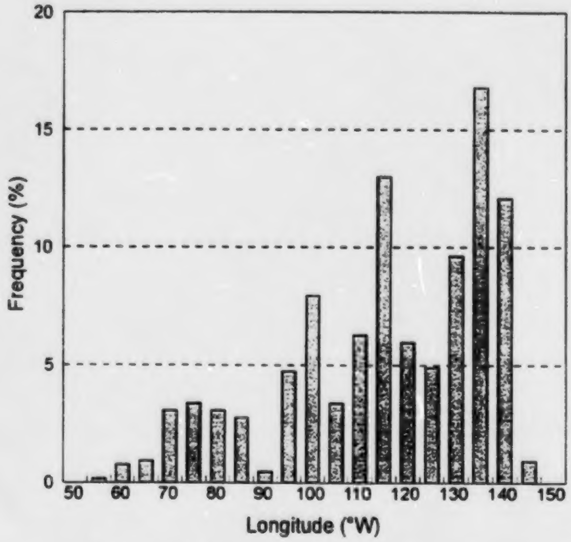

Figure 3. Longitudinal distribution of measurement sites.

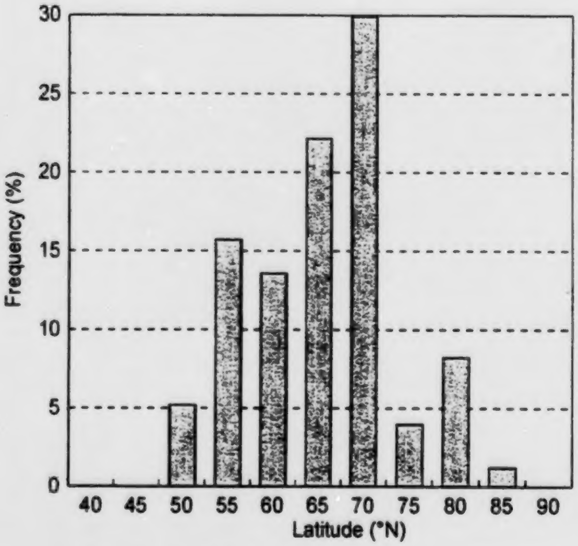

Figure 4. Latitudinal distribution of measurement sites.

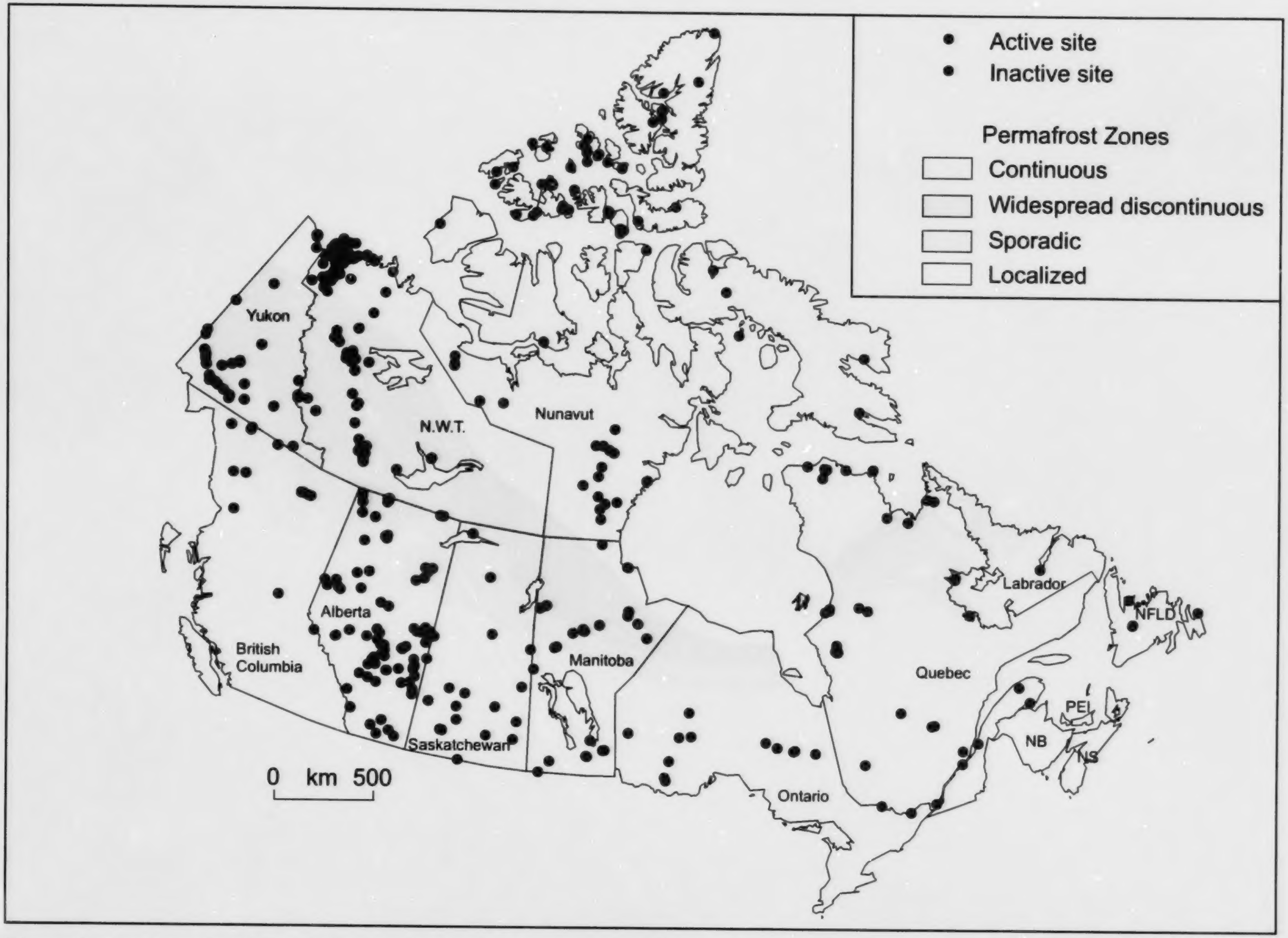
Active site
Inactive site
Permafrost Zones
Continuous
Widespread discontinuous
Sporadic
Localized
Yukon
N.W.T.
Nunavut
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Labrador
NFLD
PEI
NB
NS
0 km 500

Figure 5. Location of active and abandoned (inactive) measurement sites. Permafrost zones are extreacted from the map of Kettles et al. (1997).

Table 4. Distribution of sites according to monitoring status.

Status	Number of sites
Active (A)	112
Inactive (I)	544

The near-surface MAGT data presented in Table 1 were used to produce a ground temperature map (Fig. 6) for northern Canada. This map combines data obtained at different times with the majority of data collected in the 1970s and 1980s. Larger scale maps have also been produced to show the spatial variation in ground temperature for the Mackenzie valley, Mackenzie Delta and the islands of the Arctic Archipelago (Figs. 7, 8 and 9). Figure 10 shows a general decrease in ground temperature with increasing latitude but there is a considerable scatter in this relationship. Ground temperatures are generally lower near Hudson Bay at a given latitude than at sites further to the east or west (Fig. 6). Ground temperatures tend to be higher on the modern Mackenzie Delta than the adjacent tundra uplands. Ground temperatures at a similar latitude on Richards Island are about 4°C lower than those on the modern delta (Fig. 8). Vegetation which leads to deeper snow cover and the large amount of water cover maintained by lakes and river channels contribute towards maintaining higher ground temperatures in the Mackenzie Delta (Burgess and Smith, in press).

The general spatial pattern of air temperature is similar to that of ground temperature (Fig. 6). Although a strong relationship (Fig. 11) exists between mean annual air and ground temperature, mean annual ground temperature may be up to 4°C higher than the air temperature. The difference between air and ground temperature will be dependent on factors such as snow cover, vegetation and surficial materials.

The database presented in this report provides information that is required for planning northern development and infrastructure design. It also provides baseline data relevant to climate change studies such as monitoring the climate change signal in permafrost and climate change impact assessment. These data may also be used for the development and validation of climate change models and permafrost models.

The database was structured to record baseline conditions. Most sites included in the database are inactive and the database was not envisaged as a means to keep an ongoing record of changes in ground temperature over time. However, with increased focus on climate change, the need for long-term active monitoring of the permafrost thermal regime has been recognized. A global network of permafrost observations, the Global Terrestrial Network for Permafrost (GTN-P) has recently been established under the World Meteorological Organization (WMO) and the Global Climate Observation System (GCOS) (Burgess et al., 2000). Once fully implemented, data from a network of sites around the globe will be submitted annually and posted on the GTN-P web site (http://sts.gsc.nrcan.gc.ca/gtnp/).

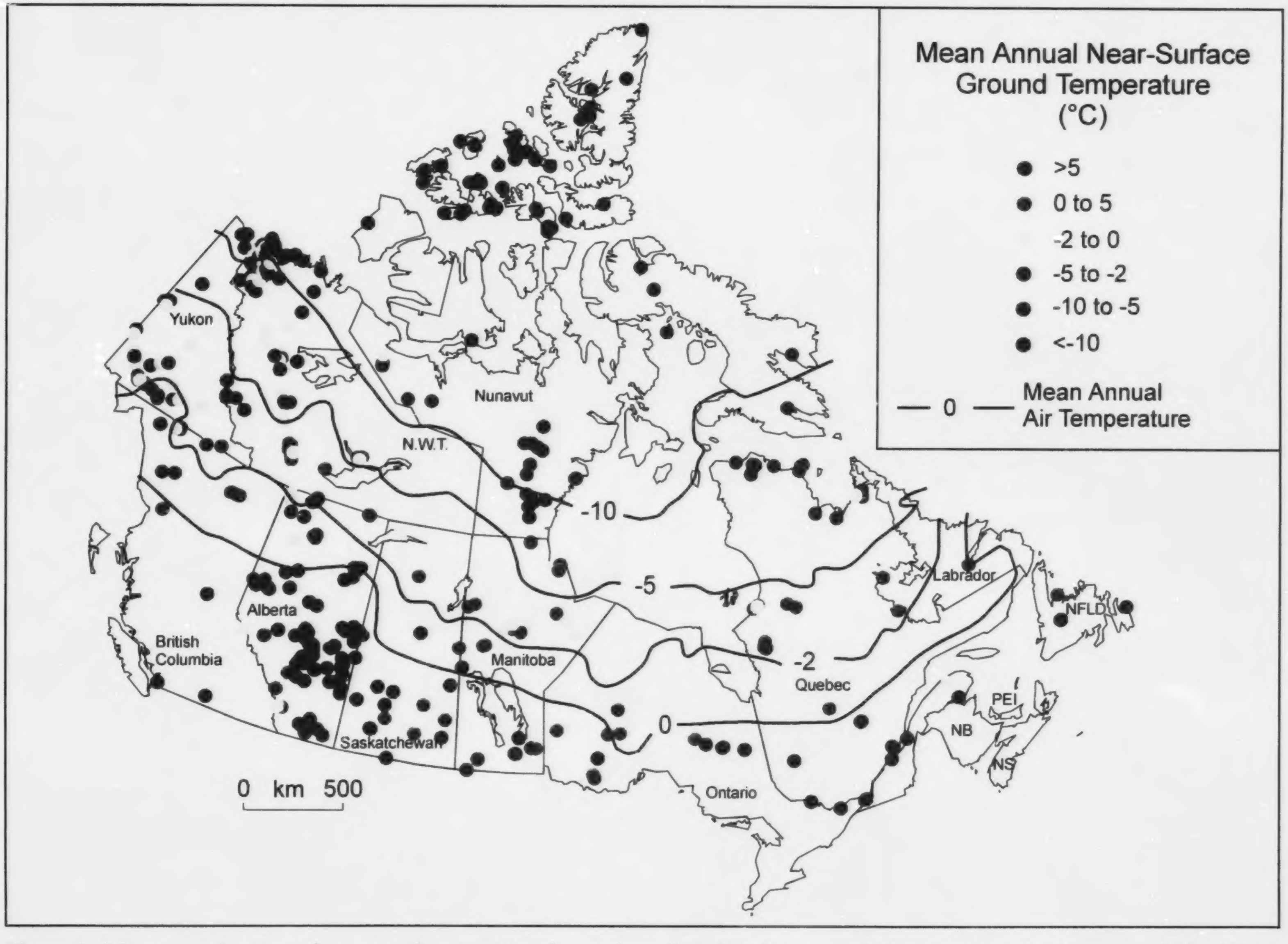
Mean Annual Near-Surface Ground Temperature (°C)
● >5
● 0 to 5
-2 to 0
● -5 to -2
● -10 to -5
● <-10
— 0 — Mean Annual Air Temperature
Yukon
N.W.T.
Nunavut
Alberta
British Columbia
Saskatchewan
Manitoba
Ontario
Quebec
Labrador
NFLD
PEI
NB
NS
-10
-5
-2
0
0 km 500

Figure 6. Mean annual near-surface gorund temperature for northern Canada. Mean annual air temperature isotherms are derived from Environment Canada 1951-80 climate normals (AES, 1982).

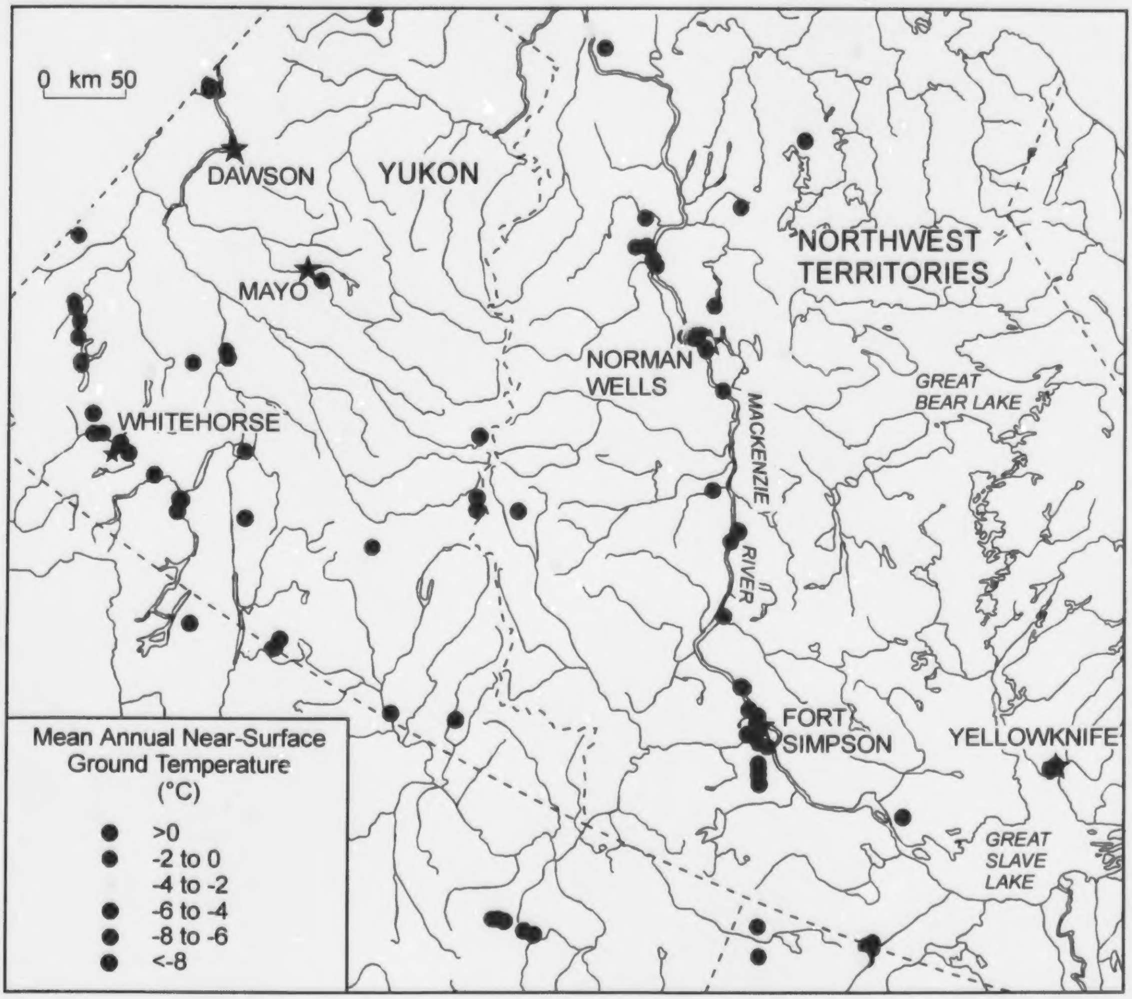
0 km 50
DAWSON
YUKON
MAYO
WHITEHORSE
NORTHWEST TERRITORIES
NORMAN WELLS
MACKENZIE RIVER
GREAT BEAR LAKE
FORT SIMPSON
YELLOWKNIFE
GREAT SLAVE LAKE
Mean Annual Near-Surface Ground Temperature (°C)
● >0
● -2 to 0
-4 to -2
● -6 to -4
● -8 to -6
● <-8

Figure 7. Mean annual near-surface ground temperature for sites in the Yukon and Mackenzie valley region.

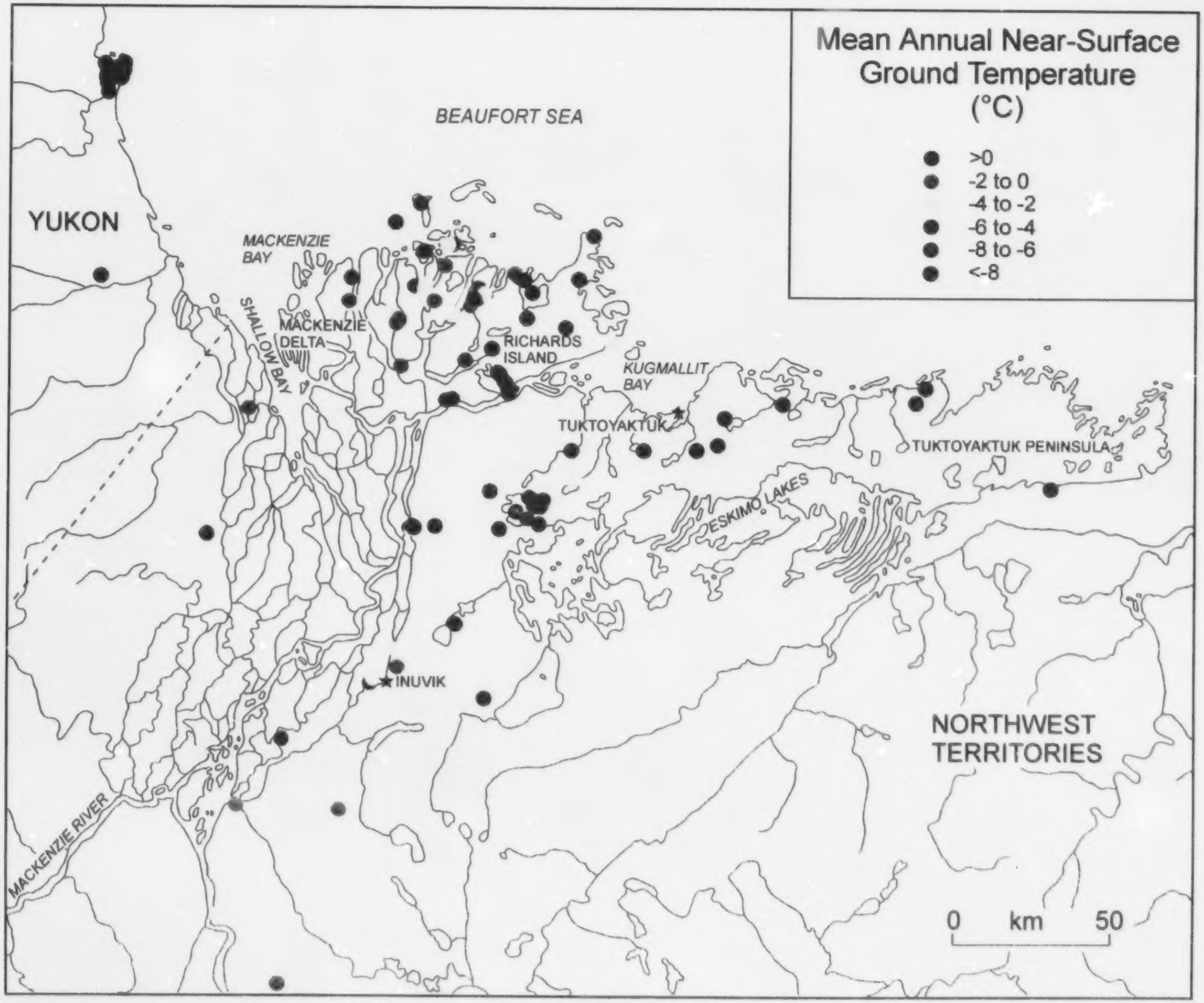
Mean Annual Near-Surface Ground Temperature (°C)
● >0
● -2 to 0
-4 to -2
● -6 to -4
● -8 to -6
● <-8
BEAUFORT SEA
YUKON
MACKENZIE BAY
SHALLOW BAY
MACKENZIE DELTA
RICHARDS ISLAND
KUGMALLIT BAY
TUKTOYAKTUK
TUKTOYAKTUK PENINSULA
ESKIMO LAKES
INUVIK
NORTHWEST TERRITORIES
MACKENZIE RIVER
0 km 50

Figure 8. Mean annual near-surface ground temperature for sites in the Mackenzie Delta and Yukon coastal region.

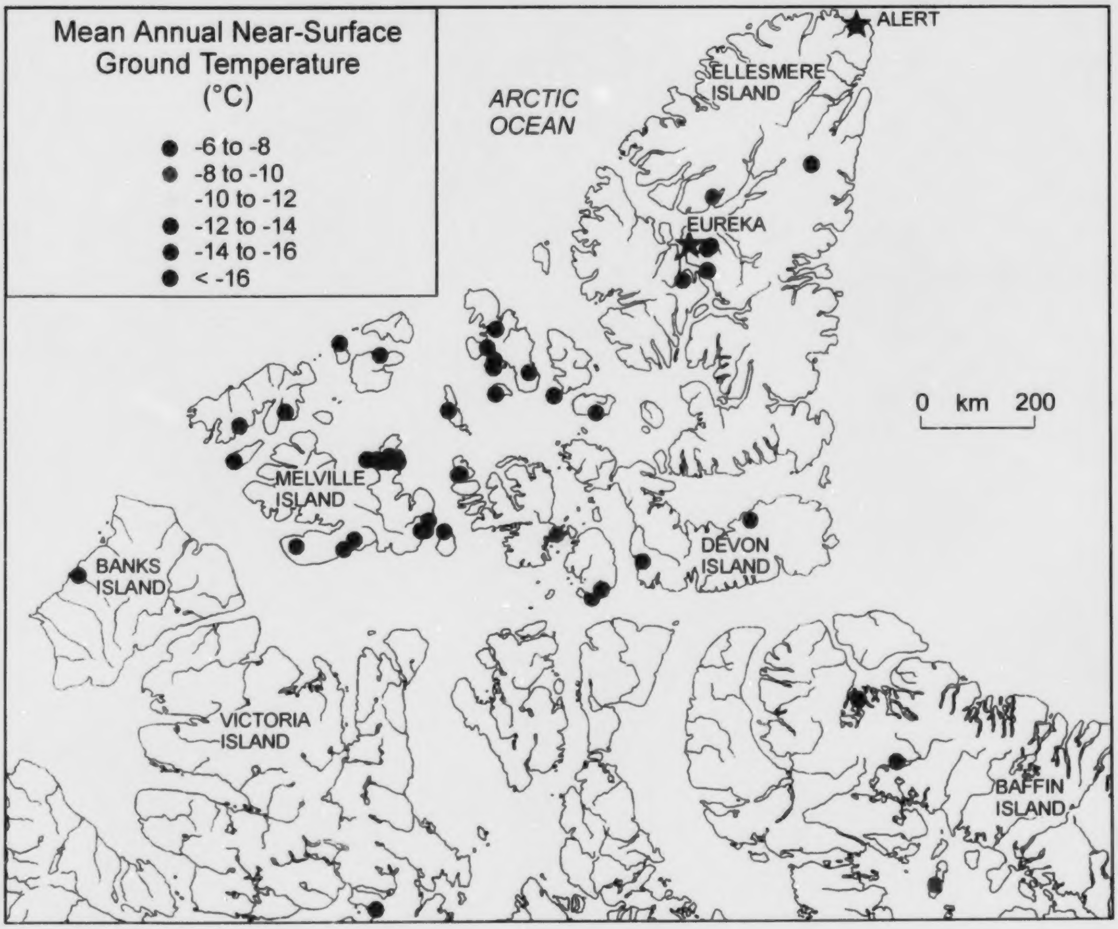
Mean Annual Near-Surface Ground Temperature (°C)
● -6 to -8
● -8 to -10
-10 to -12
● -12 to -14
● -14 to -16
● < -16
ARCTIC OCEAN
ALERT
ELLESMERE ISLAND
EUREKA
0 km 200
MELVILLE ISLAND
DEVON ISLAND
BANKS ISLAND
VICTORIA ISLAND
BAFFIN ISLAND

Figure 9. Mean annual near-surface ground temperature for sites on the islands of the Arctic Archipelago.

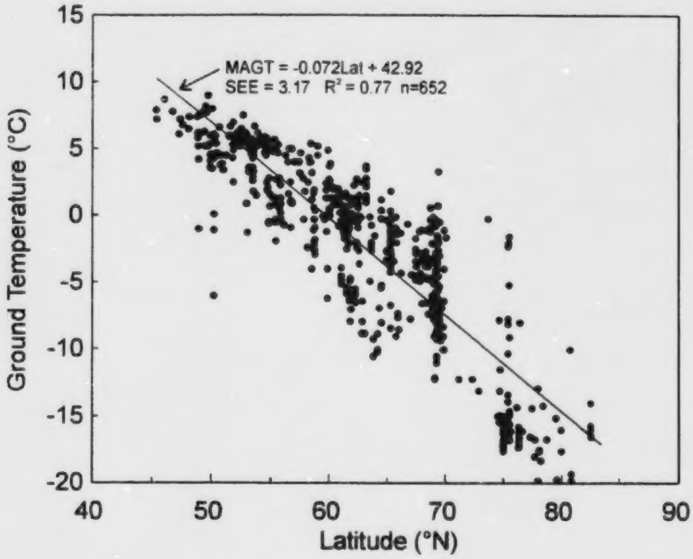

Figure 10. The relationship between latitude and mean annual near-surface ground temperature (MAGT). Note: SEE refers to the standard error of the estimate and R^2 refers to the goodness of fit of the regression equation.

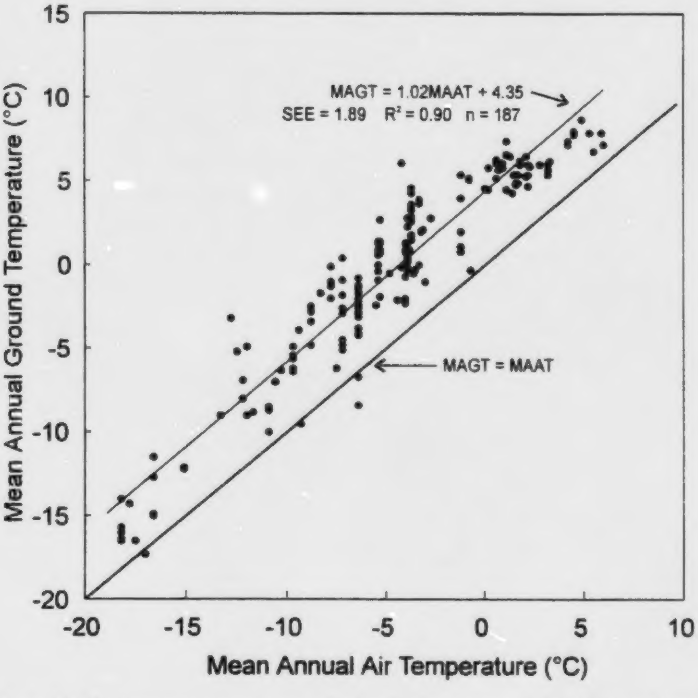

Figure 11. The relationship between mean annual air temperature (MAAT) and mean annual near-surface ground temperature (MAGT).

The authors recognize that the ground temperature database is not exhaustive, and welcome submission of data that have been inadvertently omitted or recently acquired.

ACKNOWLEDGEMENTS

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Table 1

Summary table extracted from the ground temperature database.

Legend for borehole depth class:
Surface (SU), < 10 m
Shallow (S), 10-25 m
Intermediate (I), 25-125 m
Deep (D), > 125 m

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
EXTRAPOLATED MEAN ANNUAL GROUND SURFACE TEMPERATURE								
Arctic Islands								
Eastern Melville Is		76.33	109.50	-17.3	0.00	D	I	54
Neil 0-15	# 197	80.74	83.08	-10.0	0.00	D	I	62,9
Gemini E-10	# 175	79.99	84.07	-17.6	0.00	D	I	62,9
Fosheim N-27	# 97	79.62	84.72	-19.7	0.00	D	I	57,9
Mokka A-02	# 166	79.52	87.02	-15.1	0.00	D	I	62,9
Louise Bay 0-25	# 169	78.75	102.70	</=-16.7	0.00	D	I	60,9
Dome Bay P-36	# 171	78.43	103.26	</=-14.2	0.00	D	I	58,9
Kristoffer Bay B-06	# 155	78.26	102.53	-18.3	0.00	D	I	62,9
Thor P-38	# 170	78.13	102.53	-17.6	0.00	D	I	62,9
Hoodoo Dome H-37	# 86	78.11	99.76	</=-17.5	0.00	D	I	60,9
Brock I-20	# 158	78.00	114.57	</=-19.8	0.00	D	I	60,9
Wilkins E-60	# 87	77.99	111.36	</=-12.9	0.00	D	I	57,9
Linckens Island P-46	# 195	77.76	97.76	</=-16.7	0.00	D	I	61,9
Sutherland 0-23	# 256	77.72	102.14	-18.0	0.00	D	I	62,9
Cornwall 0-30	# 291	77.50	94.65	</=-14.4	0.00	D	I	62,9
Pat Bay A-72	# 258	77.35	105.45	-16.5	0.00	D	I	62,9
Jameson Bay C-31	# 91	76.67	116.73	</=-16.1	0.00	D	I	58,9
Drake E-78	# 199	76.46	108.49	-16.0	0.00	D	I	63,9
Drake D-68	# 198	76.45	108.93	</=-8	0.00	D	I	58,9
Drake B-44	# 172	76.39	108.27	-16.6	0.00	D	I	63,9
Drake D-73	# 259	76.37	108.49	-17.2	0.00	D	I	63,9
Bent Horn N-72	# 196	76.36	103.94	-16.9	0.00	D	I	62,9
Bent Horn F-72A	# 286	76.36	103.97	-15.8	0.00	D	I	63,9
Hecla I-69	# 200	76.31	110.39	</=-17.3	0.00	D	I	62,9
Peddler Point D-49	# 257	75.64	118.81	</=-16.1	0.00	D	I	60,9
Little Cornwallis PG-10-77	#214	75.49	97.02	</=-5.19	0.00	D	I	37a
Polaris -1	# 157	75.40	96.93	-15.3	0.00	D	I	63,9
Polaris -2	# 157	75.40	96.93	-10.3	0.00	D	I	63,9
Polaris -3	# 157	75.40	96.93	-13.9	0.00	D	I	63,9
Polaris -4	# 157	75.40	96.93	-15.8	0.00	D	I	63,9
Polaris -5	# 157	75.40	96.93	-16.4	0.00	D	I	63,9
Polaris -6 (offshore)	# 157	75.50	97.03	</=-1.6	0.00	D	I	37a
Polaris - 7 (offshore)	#157	75.45	97.00	</=-2.1	0.00	D	I	37a
Polaris -8	#157	75.40	96.93	na	0.00	D	I	37a
Polaris -9 (offshore)	#157	75.40	96.93	</=-2.3	0.00	I	I	37a
Polaris - 10	#157	75.40	96.93	</=-8.1	0.00	D	I	37a

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Polaris - 11	#157	75.40	96.93	</=-7.7	0.00	I	I	37a
Devon E-45	# 99	75.07	91.81	-15.0	0.00	I	I	62,9
Winter Harbour	# 73	74.80	110.51	</=-15.4	0.00	D	I	57,9
Resolute 1	-	74.68	94.90	</=-14.9	0.00	D	I	57,9
Lobitos Resolute L-41	# 55	74.68	94.74	</=-15	0.00	D	I	57,9
Dundas C-80	# 168	74.65	113.38	-15.4	0.00	D	I	62,9
Garnier O-21	# 92	73.68	90.61	<-.25	0.00	D	I	57,9
Storkerson Bay A-15	# 98	72.90	124.56	</=-13.1	0.00	D	I	57,9
Rowley M-04	# 95	69.07	79.06	-9.0	0.00	D	I	62,9
Resolute Bay		74.50	95.00	-15.0	0.00	D	I	37
Polar Gas PG-9A-77	#214	75.53	97.23	</= -9.1	0.00	D	I	37a
Assistance Bay PG-7-77	#214	74.64	94.36	</= -7.8	0.00	I	I	37a
Agassiz Ice Cap 1977 hole	#606-1	80.82	72.90	</= -19.3	0.00	D	I	37a
Agassiz Ice Cap 1984 hole	#606-2	80.82	72.90	</= -19.8	0.00	D	I	37a
Marryatt K-71	#299	76.35	108.97	</= -16.2	0.00	D	I	37a
Polar Gas	PG-7-76	75.40	104.49	-13.4	0.00	I	I	37a
Polar Gas	PG-11-76	75.54	105.60	-14.7	0.00	I	I	37a
Rea Pt.	Telsat 1	75.37	105.67	-14.96	0.00	I	I	37a
Rea Pt.	Telsat 2	75.37	105.67	-14.95	0.00	I	I	37a
Mackenzie Delta Region								
Kimik D-29	# 261	69.64	132.37	</=-9.3	0.00	D	I	60,9
Ivik J-26	# 266	69.60	134.34	</=-8.9	0.00	D	I	60,9
Atertak F-41	# 262	69.51	132.70	</=-8.4	0.00	D	I	60,9
Kilagmiotak F-48	# 165	69.46	134.20	-7.7	0.00	D	I	63,9
Pikiolik M-26	# 263	69.43	132.62	</=-8	0.00	D	I	59,9
Mallik A-06	# 265	69.42	134.51	</=-8.3	0.00	I	I	59,9
Adgo P-25	# 255	69.42	135.84	</=3.3	0.00	D	I	59,9
Taglu D-55	# 269	69.40	134.97	-6.2	0.00	D	I	62,9
Garry P-04	# 288	69.40	135.51	</=-4.5	0.00	D	I	61,9
Taglu H-54	# 287	69.39	134.97	</=-5.6	0.00	D	I	62,9
Pikiolik E-54	# 264	69.39	132.74	</=-9.1	0.00	D	I	60,9
Taglu N-43	# 282	69.38	134.94	-5.6	0.00	D	I	62,9
Taglu D-43	# 268	69.37	134.95	-1.7	0.00	D	I	62,9
Taglu C-42	# 267	69.35	134.94	-1.9	0.00	D	I	62,9
Niglintgak H-30	# 173	69.32	135.34	-3.6	0.00	D	I	63,9
Niglintgak M-19	# 270	69.31	135.32	</=-3.4	0.00	D	I	59,9
Niglintgak B-19	# 278	69.30	135.31	</=-4	0.00	D	I	61,9
Kumak E-58	# 280	69.29	135.25	-4.0	0.00	D	I	63,9
Ya Ya A-28	# 254	69.29	134.59	-8.8	0.00	D	I	63,9

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Ya Ya P-53	# 176	69.21	134.71	-8.0	0.00	D	I	63,9
North Ellice J-23	# 271	69.21	135.85	</=-4.7	0.00	D	I	61,9
Unipkat I-22	# 167	69.20	135.34	-4.1	0.00	D	I	63,9
Red Fox P-21	# 260	69.18	133.58	</=-5.7	0.00	D	I	60,9
Reindeer D-27	# 63	69.10	134.62	</=-6.3	0.00	D	I	61,9
Titalik K-26	# 177	69.09	135.11	</=-0.7	0.00	D	I	57,9
Reindeer F-36	# 179	69.09	134.65	</=-7	0.00	D	I	61,9
Siku A-12	# 277	69.02	133.54	-5.1	0.00	D	I	62,9
Siku E-21	# 284	69.00	133.62	-7.7	0.00	D	I	63,9
Siku C-11	# 274	69.00	133.65	-6.1	0.00	D	I	62,9
Parsons N-10	# 178	69.00	133.53	</=-6	0.00	D	I	61,9
Parsons D-20	# 285	68.99	133.57	-7.5	0.00	D	I	63,9
Kamik D-48	# 273	68.95	133.46	-7.5	0.00	D	I	63,9
Atigi O-48	# 194	68.95	133.94	-6.9	0.00	D	I	63,9
Parsons N-17	# 275	68.95	133.57	-0.1	0.00	D	I	62,9
Parsons L-37	# 279	68.95	133.67	-7.1	0.00	D	I	62,9
Kugpik O-13	# 192	68.88	135.30	-2.1	0.00	D	I	63,9
Parsons L-43	# 272	68.88	133.70	-6.0	0.00	D	I	62,9
Ikhil I-37	# 193	68.78	134.13	-6.5	0.00	D	I	63,9
Ulu A-35	# 276	68.73	135.88	</=-0.9	0.00	D	I	61,9
Beaver House H-13	# 89	68.37	135.55	</=-6.5	0.00	D	I	58,44,9
Tuktoyaktuk	Atkinson Point	69.90	131.45	-10.0	0.00	I	I	44,9
Tuktoyaktuk	Liverpool	69.85	131.45	-10.0	0.00	I	I	44,9
Tuktoyaktuk	Liverpool	69.85	130.12	-8.5 to -9.0	0.00	I	I	44,9
South Mackenzie Delta	#1	67.85	134.58	-3.4	0.00	S	I	44,9
South Mackenzie Delta	#2	67.85	134.58	-4.5	0.00	S	I	44,9
South Mackenzie Delta	#3	67.85	134.58	-4.5	0.00	S	I	44,9
South Mackenzie Delta	#4	67.85	134.58	-2.8	0.00	I	I	44,9
South Mackenzie Delta	#5	67.85	134.58	-4.9	0.00	S	I	44,9
South Mackenzie Delta	#6	67.85	134.58	-4.3	0.00	S	I	44,9
Illisarvik Lake	250m inland	69.48	134.59	-7.0	0.00	I	I	45,9
Illisarvik Lake	shoreline	69.48	134.59	-3.0	0.00	I	I	45,9
Inuvik	no. 3	68.30	133.83	-4.6	0.00	I	I	39,67,41,14
Inuvik	no. 4	68.30	133.83	-4.6	0.00	I	I	39,67,41,14
SW of Tuktoyaktuk	Near lake	69.30	133.10	-8.5	0.00	I	I	37
Ellice Is. #1	30 m from channel	69.15	135.72	-0.4	0.00	I	I	37
Ellice Is. #2	20 m from channel	69.15	135.75	-0.8	0.00	I	I	37
Ellice Is. #3	9 m from channel	69.20	135.43	-2.8	0.00	I	I	37
Ellice Is. #4		69.15	135.72	-3.2	0.00	I	I	37
Ellice Is. #5	3 m from channel	69.15	135.72	-2.9	0.00	I	I	37

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Amauligak (offshore)	#601	70.06	133.63	</=-1.64	0.00	D	I	37a
Isserk Geotechnical Hole (offshore)	#602	69.91	134.30	</= -1.1	0.00	I	I	37a
Taglu	92GSCTaglu	69.37	134.95	-6.7	0.00	D	I	22a
Kumak	92GSCKumak	69.19	135.34	-4.3	0.00	D	I	22a
Unipkat	92GSCUnipkat	69.19	135.34	-0.3	0.00	I	I	22a
Tuktoyaktuk	208-7	68.45	133.03	-4.7	0.00	S	I	37a
Other NWT/Nunavut								
Arctic Red River		67.43	133.10	-4.5	0.00	I	I	48
Fort McPherson site	-	67.43	135.42	-2.8	0.00	I	I	48,44
Horton River G-02	# 77	69.86	127.27	</=-8.3	0.00	D	I	61
Sadene D-02	# 281	68.85	126.79	-3.5	0.00	D	I	62
Kugaluk N-02	# 76	68.53	131.52	</=-3.8	0.00	D	I	57,9
Tedji Lake K-24	# 253	67.73	126.83	-4.8	0.00	D	I	62,9
Muskox North		67.09	115.28	</=-4.4	0.00	D	I	57,9
Muskox South		67.01	115.22	</=-7.7	0.00	D	I	57,9
Hackett River 190-1	# 190	65.92	108.47	</=-7.6	0.00	D	I	58,9
Hackett River 190-2	# 190	65.92	108.47	</=-7.3	0.00	D	I	58,9
Hume River D-53	# 100	65.87	129.18	</=-1.4	0.00	D	I	57,44,9
West Whitefish H-34	# 151	65.56	124.60	</= -3.4	0.00	D	I	58,44,9
Norman Wells Canol 30x	# 88	65.29	126.87	</= -4.4	0.00	D	I	57,44,9
Norman Wells Canol 19x	# 88	65.29	126.88	</= -3.8	0.00	D	I	57,44,9
Norman Wells Canol 18x	# 88	65.29	126.87	</= -4.1	0.00	D	I	57,44,9
Norman Wells Canol 7x	# 88	65.28	126.85	</= -4.5	0.00	D	I	57,44,9
Norman Wells Canol 33x	-	65.28	126.84	</= -0.8	0.00	D	I	57,44,9
Norman Wells Bear I 13	# 88	65.26	126.89	</= -4.2	0.00	D	I	57,44,9
Norman Wells Bear I 7	# 88	65.26	126.88	</= -3.8	0.00	D	I	57,44,9
Dahadinni M-43A	# 94	63.88	124.66	</=-1.5	0.00	D	I	58,44,9
Yellowknife	# 66	62.51	114.42	</=1.4	0.00	D	I	57,44,9
Providence A-47	# 70	61.44	117.38	</=0.4	0.00	D	I	57,44,9
Cameron B-13	# 293	60.04	117.05	</=2.6	0.00	D	I	62,9
Lac Cinquante -2	# 294	62.59	98.64	</=-3.6	0.00	D	I	62,9
Lac Cinquante -1	# 294	62.59	98.63	</=-0.1	0.00	I	I	62,9
Cambridge	#85-1	69.12	105.05	</=-12.1	0.00	D	I	26,9
Cambridge	#85-2	69.12	105.05	</=-12.2	0.00	D	I	26,9
Norman Wells	Well 17	65.30	126.75	-1.7	0.00	I	I	37
Norman Wells	Airport Rd	65.30	126.75	-4.2	0.00	I	I	37
Norman Wells	Deadline Rd	65.30	126.75	-1.3	0.00	I	I	37
Norman Wells	Well33	65.30	126.75	-2.6	0.00	I	I	37
Norman Wells	Well 15	65.30	126.75	-3.1	0.00	I	I	37

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Near Ft Providence		61.44	117.38	0.4	0.00	I	I	48c
Sapper Ranges		62.67	128.54	2.5	0.00	I	I	48c
Near Cameron Hill		59.98	117.15	2.7	0.00	I	I	48c
Near Cameron R.		60.36	127.40	2.0	0.00	I	I	48c
Yukon								
North Cath B-62	# 62	66.19	138.69	</=-4.3	0.00	D	I	57,9
MacMillan Pass -1	# 296	63.15	130.25	</=2.4	0.00	D	I	63,9
MacMillan Pass -2	# 296	63.15	130.26	</=1.3	0.00	D	I	63,9
MacMillan Pass -3	# 296	63.15	130.26	</=1.1	0.00	D	I	63,9
MacMillan Pass -4	# 296	63.15	130.25	</=3.7	0.00	D	I	63,9
MacMillan Pass -5	#296	63.15	130.26	</=1	0.00	D	I	18
MacMillan Pass -6	#296	63.16	130.27	</=1.5	0.00	I	I	18
MacMillan Pass -7	#296	63.16	130.27	</=2.2	0.00	I	I	18
MacMillan Pass -8	#296	63.15	130.25	</=3.5	0.00	S	I	18
Howards Pass -1	# 290	62.57	129.54	</=1.5	0.00	D	I	62,9
Howards Pass -2	# 290	62.45	129.40	</=0.9	0.00	D	I	63,9
Red Mountain -1	# 289	60.99	133.76	</=0.8	0.00	D	I	63,9
Red Mountain -2	# 289	60.99	133.75	</=1.6	0.00	D	I	63,9
Red Mountain -4	# 289	60.99	133.75	</=1.6	0.00	D	I	63,9
Red Mountain -7	# 289	60.99	133.75	</=-0.6	0.00	D	I	63,9
Red Mountain -8	# 289	60.99	133.75	</=-0.4	0.00	D	I	63,9
Otter Creek -1	#297	60.35	127.40	</=0.8	0.00	I	I	18
Otter Creek -2	# 297	60.35	127.40	</=2.1	0.00	D	I	63,9
Otter Creek -3	# 297	60.36	127.40	</=1.3	0.00	D	I	63,9
Logtung -1	# 139	60.01	131.60	</=2.3	0.00	D	I	62,9
Logtung -2	# 139	60.01	131.61	</=0.4	0.00	D	I	62,9
Logtung -3	# 139	60.01	131.60	</=-0.1	0.00	D	I	62,9
Logtung -4	# 139	60.01	131.61	</=0.5	0.00	D	I	62,9
B.R. Blow River	-	68.77	137.45	-4.8	0.00	D	I	18
Clinton Creek -1	#112	64.44	140.74	</=-0.2	0.00	D	I	18
Whitehorse Copper -1	#122	60.62	135.05	</=0.8	0.00	D	I	18
Whitehorse Copper -2	#122	60.75	135.13	</=2	0.00	D	I	18
Whitehorse Copper -3	#122	60.75	135.18	</=1.1	0.00	D	I	18
Kay Point -1	#205	69.25	138.36	</=-8.7	0.00	I	I	18
Kay Point -2	#205	69.25	138.33	</=-9.2	0.00	I	I	18
Kay Point -3	#205	69.29	138.39	</=-10	0.00	I	I	18
Kay Point -4	#205	69.27	138.35	</=-11	0.00	S	I	18
Kay Point -5	#205	69.27	138.41	</=-10.5	0.00	I	I	18
Kay Point -6	#205	69.23	138.43	</=-7.9	0.00	I	I	18

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Kay Point -8	#205	69.20	138.34	</=-6.7	0.00	S	I	18
Kay Point -9	#205	69.23	138.41	</=-8.7	0.00	I	I	18
Kay Point -10	#205	69.25	138.50	</=-4.3	0.00	I	I	18
Foothills CS -1	#231	60.81	137.43	</=-0.8	0.00	I	I	18
Foothills CS -2	#231	60.80	135.95	</=1.2	0.00	I	I	18
Foothills CS -3	#231	61.58	134.63	</=-0.5	0.00	S	I	18
Monenco -1	#232	62.02	136.82	</=-0.4	0.00	I	I	18
Monenco -2	#232	62.29	136.24	</=2.7	0.00	I	I	18
Dorsey Lk		60.12	131.61	1.3	0.00	I	I	48c
Near Slate Mtn		60.99	133.75	1.4	0.00	I	I	48c
Near Macmillan		63.15	130.26	2.8	0.00	I	I	48c
British Columbia								
Buckley L.	#10	57.89	130.86	</=1.8	0.00	I	I	26,9
Hotailum	#9	58.16	129.87	</=2.5	0.00	D	I	26,9
Ritchie	#75	56.42	129.15	</=4	0.00	D	I	26,9
Ruby Creek -1	#188	59.71	133.41	</=0	0.00	D	I	26,9
Ruby Creek -2	#188	59.71	133.40	</=2.4	0.00	D	I	26,9
Ruby Creek -3	#188	59.71	133.41	</=1.9	0.00	I	I	26,9
Alberta								
Tathlina Lake	# 292	59.98	117.02	</=2.2	0.00	D	I	62,9
Indian 9-9	# 295	59.85	117.09	</=-4	0.00	D	I	62,9
Zama N	THL1	58.97	118.90	4.5	0.00	I	I	48b,48c
Le Crete	THL2	58.29	116.22	4.0	0.00	S	I	48b,48c
Meander R. Station		58.99	117.66	5.2	0.00	I	I	48b,48c
Meander R.	THL3	58.22	116.03	4.3	0.00	I	I	48b,48c
Le Crete	THL4	58.22	116.03	4.3	0.00	I	I	48b,48c
Near Sutherland Is.	TFM1	57.33	111.69	4.0	0.00	D	I	48b,48c
Near Calumet Lk.	TFM2	57.40	111.82	4.0	0.00	I	I	48b,48c
Near Calumet Lk.	TFM3	57.45	111.99	3.2	0.00	D	I	48b,48c
Near Tea Kettle Ck.	TFM14	56.97	111.85	4.0	0.00	D	I	48b,48c
Near Dunkirk R.	TFM15	56.77	112.49	5.0	0.00	D	I	48b,48c
Near Eight Lake	TFM19	57.51	111.40	4.7	0.00	I	I	48b,48c
Smith	TPR1	55.22	114.07	5.0	0.00	I	I	48b,48c
Winagmi	TPR2	55.62	116.68	5.3	0.00	D	I	48b,48c
Cadotte L.	TPR3	56.50	116.52	5.0	0.00	D	I	48b,48c
Marie L.	TCL1	54.61	110.25	5.8	0.00	D	I	48b,48c
Marie L.	TCL2	54.61	110.25	5.8	0.00	D	I	48b,48c
Cushing L.	TCL3	54.06	110.40	5.7	0.00	D	I	48b,48c

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Cushing L.	TCL4	54.06	110.40	5.7	0.00	D	I	48b,48c
Cushing L.	TCL5	54.06	110.40	5.7	0.00	I	I	48b,48c
Borgone L.	TCL6	54.65	110.51	4.9	0.00	D	I	48b,48c
Esso Seism. St.	TCL7	54.62	110.43	5.6	0.00	I	I	48b,48c
Esso Seism. St.	TCL8	54.62	110.43	5.6	0.00	I	I	48b,48c
Esso T.H. 1	TCL9	54.57	110.46	4.5	0.00	I	I	48b,48c
Lessard	TCL10	54.48	110.63	5.2	0.00	D	I	48b,48c
BPTriad 3	TCL11	54.74	110.71	5.3	0.00	I	I	48b,48c
BPTriad 82-1	TCL12	54.74	110.71	5.3	0.00	I	I	48b,48c
BPTriad W	TCL13	54.74	110.71	5.3	0.00	D	I	48b,48c
Wolf Lk.	TCL14	54.57	110.81	5.7	0.00	D	I	48b,48c
Near Iron River	CL945A	54.47	110.98	5.7	0.00	I	I	48c
Near Iron River	CL945A	54.47	110.98	5.7	0.00	I	I	48c
Metiskow	TSA1	52.41	110.59	5.7	0.00	D	I	48b,48c
Monitor	TSA2	51.79	110.50	7.0	0.00	D	I	48b,48c
Sounding Cr.	TSA3	51.57	110.48	6.7	0.00	I	I	48b,48c
Forty Mile Coube	TSA4	49.69	111.45	9.0	0.00	D	I	48b,48c
Pakowki	TSA5	49.47	110.97	8.2	0.00	I	I	48b,48c
Warner	TSA6	49.38	112.20	7.9	0.00	I	I	48b,48c
NE of Wainwright	S752	52.88	110.79	5.5	0.00	D	I	48a,48c
Vegreville	S753	53.50	112.12	4.8	0.00	I	I	48a,48c
Wainwright Farm	S754	52.72	110.85	5.5	0.00	D	I	48a,48c
Galahad	S755	52.55	111.91	5.6	0.00	S	I	48a,48c
Stettler	S756	52.33	112.76	5.9	0.00	I	I	48a,48c
Stettler	S757	52.32	112.80	6.1	0.00	I	I	48a,48c
Wetaskiwin	S758	52.95	113.22	6.0	0.00	I	I	48a,48c
Rollyview	S759	53.22	113.35	5.5	0.00	I	I	48a,48c
Wetaskiwin	S760	52.99	113.48	5.5	0.00	I	I	48a,48c
Entwistle	S761	53.59	115.00	5.5	0.00	S	I	48a,48c
Edson	S762	53.59	116.41	5.5	0.00	I	I	48a,48c
Tricreek Basin	S763	53.14	117.28	3.6	0.00	I	I	48a,48c
Tricreek	S764	53.11	117.32	3.3	0.00	I	I	48a,48c
Lloydminsister	S765	53.35	110.01	5.4	0.00	D	I	48a,48c
Three Hills	S766	51.68	113.29	5.9	0.00	I	I	48a,48c
Olds	S767	51.77	113.97	5.3	0.00	I	I	48a,48c
Sundrea	S768	51.83	114.65	4.9	0.00	I	I	48a,48c
Barhead	S769	54.04	114.39	5.3	0.00	I	I	48a,48c
Sylvan Lk	S770	52.35	114.23	5.2	0.00	I	I	48a,48c
Marmot Ck Basin	S772	50.96	115.15	3.4	0.00	I	I	48a,48c
Goodwin	S773	55.24	118.25	5.7	0.00	I	I	48a,48c

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Kleskun	S774	55.29	118.46	5.7	0.00	I	I	48a,48c
Woking	S775	55.58	118.86	4.7	0.00	I	I	48a,48c
Hythe	S778	55.40	119.73	4.9	0.00	I	I	48a,48c
Consort	S779	52.09	110.85	5.7	0.00	D	I	48a,48c
Wainwright Airport	S781	52.80	110.85	6.2	0.00	I	I	48a,48c
Botanic Gardens	S782	53.41	113.76	5.7	0.00	I	I	48a,48c
Hubbles Lk	S783	53.58	114.11	6.7	0.00	I	I	48a,48c
Gull Lk.	S784	52.63	114.05	7.5	0.00	I	I	48a,48c
Crestomere	S785	52.74	113.97	6.0	0.00	I	I	48a,48c
Two Hills Farm	S787	53.65	111.82	5.5	0.00	I	I	48a,48c
Truman	S788	54.46	111.29	5.9	0.00	I	I	48a,48c
Rich Lk	S789	54.56	111.58	5.2	0.00	I	I	48a,48c
Sion	S790	53.91	114.10	5.3	0.00	I	I	48a,48c
Vermilion	S791	53.16	110.98	5.1	0.00	I	I	48a,48c
Kirpatric Lk	S792	51.95	111.44	6.0	0.00	I	I	48a,48c
Indian Cabins		59.85	117.09	4.9	0.00	I	I	48c
Saskatchewan								
Echo Lake	#136-1	54.64	102.04	</=2.5	0.00	D	I	26,9
Near Northern Pine		54.45	109.88	4.7	0.00	I	I	48c
Carson Lk		54.64	102.04	1.9	0.00	I	I	48c
Riverhurst		50.88	106.86	3.9	0.00	I	I	48c
Willovale		49.07	106.25	7.6	0.00	I	I	48c
Manitoba								
Thompson	#138	55.73	97.77	</=0.5	0.00	I	I	26,9
Snow L.	#137-1	54.89	99.97	</=1.6	0.00	D	I	26,9
Snow L.	#137-3	54.85	100.13	</=2.8	0.00	I	I	26,9
Lynn L.	#149-1	56.79	101.11	</=1	0.00	I	I	26,9
Fox Lake	#150-1	56.63	101.65	</=2.5	0.00	D	I	26,9
Fox Lake	#150-2	56.63	101.65	</=1	0.00	I	I	26,9
Near Pinawa		50.20	95.92	4.3	0.00	I	I	48c
Manasan Falls		55.73	97.77	1.0	0.00	I	I	48c
Fraser Lk.		56.79	101.12	0.9	0.00	I	I	48c
Boundary Ck		49.02	100.55	7.5	0.00	I	I	48c
Kent Lk.		49.56	99.84	7.7	0.00	I	I	48c
Ontario								
Otoskwin R.	#15	51.83	89.60	</=2.5	0.00	I	I	26,9
Kapuskasing	#12	49.42	82.38	</=5.2	0.00	D	I	26,9

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Cochrane	#11	49.10	80.94	</=6.2	0.00	D	I	26,9
Mariner	#126	50.03	84.28	</=3.5	0.00	I	I	26,9
Minchin L.	#16	50.71	89.60	</=4.5	0.00	D	I	26,9
English R.	#17	49.64	91.32	</=5.2	0.00	D	I	26,9
Hearst	#13	49.69	83.54	</=5.2	0.00	I	I	26,9
Red Lake	#83	51.00	94.20	</=3.4	0.00	I	I	26,9
Near Minchin Lk.		50.71	90.48	3.8	0.00	I	I	48c
Near Coulson Lk		48.90	91.70	4.2	0.00	I	I	48c
Quebec								
Asbestos Hill -1	# 114	61.82	73.97	-6.0	0.00	D	I	59,9
Asbestos Hill -2	# 114	61.80	73.97	</=-7.9	0.00	I	I	60,9
Asbestos Hill -3	# 114	61.82	73.96	</=-4.7	0.00	D	I	59,9
Asbestos Hill -6	# 114	61.82	73.96	-	0.00	D	I	61,9
Asbestos Hill -7	# 114	61.82	73.96	-	0.00	D	I	61,9
Asbestos Hill -8	# 114	61.83	73.95	-5.5	0.00	D	I	62,9
Kenty Lake -1	# 283	61.49	74.44	</=-5.7	0.00	D	I	61,9
Neilson I.	#52	55.40	77.68	</=0.8	0.00	D	I	26,9
Merrill I.	#69	49.89	74.35	</=3.6	0.00	D	I	26,9
Mont Jacques-Cartier	-	48.93	65.92	</=-1	0.00	I	I	32
Great Whale River Basin	GB - 1	55.42	77.33	2.7	0.00	I	I	49,33,9
Great Whale River Basin	GB - 1	55.42	77.33	-1.9	0.00	I	I	49,33,9
Great Whale River Basin	GB - 2	55.17	74.92	1.4	0.00	I	I	49,33,9
Great Whale River Basin	GB - 2	55.17	74.92	1.3	0.00	I	I	49,33,9
Great Whale River Basin	GB - 3	54.88	74.33	0.7	0.00	I	I	49,33,9
Great Whale River Basin	Domanchin	55.50	77.25	0.9	0.00	I	I	49,33,9
La Grande -2	#1	53.44	77.53	4.6	0.00	I	I	50,9
La Grande -2	#2	53.44	77.53	4.3	0.00	I	I	50,9
La Grande -2	#3	53.44	77.62	2.9	0.00	I	I	50,9
La Grande -2	#4	53.43	77.58	3.6	0.00	I	I	50,9
La Grande -2	#5	53.43	77.58	2.6	0.00	I	I	50,9
La Grande -2	#6	53.51	77.71	3.3	0.00	I	I	50,9
La Grande -2	#7	53.51	77.71	1.8	0.00	I	I	50,9
La Grande -2	#8	53.76	77.51	1.5	0.00	I	I	50,9
Newfoundland								
Baie Verte	#152-1	49.91	56.06	</=4.5	0.00	D	I	26,9
Baie Verte	#152-2	49.91	56.06	</=4.6	0.00	D	I	26,9
Baie Verte	#152-3	49.90	56.07	</=4.1	0.00	I	I	26,9
Labrador City	#111	52.95	66.92	</=0.9	0.00	I	I	26,9

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Buchans	#113-1	48.83	56.90	</=6.2	0.00	I	I	26,9
Buchans	#113-2	48.85	56.84	</=5.2	0.00	I	I	26,9

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
SITES WITH TEMPERATURES AVAILABLE AT ONLY ONE DEPTH								
Arctic Islands								
Melville Island	16-1	75.00	110.00	~-17.0	13.00	S	I	28,29
Melville Island	10-2	75.00	110.00	~-17.6	8.10	SU	I	28,29
Melville Island	R240A-1 (PGP)	75.00	110.00	~-17.0	13.00	S	I	28,29
Melville Island	247-3 (PGP)	75.00	110.00	~-16.9	8.65	SU	I	28,29
Melville Island	R245A-2 (PGP)	75.00	110.00	~-17.3	13.00	S	I	28,29
Melville Island	R240A-1-3 (PGP)	75.00	110.00	~-16.1	11.20	S	I	28,29
Melville Island	1-8	75.00	110.00	~-15.9	13.00	S	I	28,29
Melville Island	7-2	75.00	110.00	~-17.1	11.00	S	I	28,29
Melville Island	R239-4 (PGP)	75.00	110.00	~-15.5	13.00	S	I	28,29
Melville Island	2-6	75.00	110.00	~-17.5	10.80	S	I	28,29
Melville Island	D2-5 (PGP)	75.00	110.00	~-16.8	11.40	S	I	28,29
Melville Island	13-2	75.00	110.00	~-16.3	13.00	S	I	28,29
Melville Island	245-1 (PGP)	75.00	110.00	~-16.1	9.15	SU	I	28,29
Truelove Lowlands,Devon Is.	A1) Beach ridge S-slope	75.55	84.67	-16.7	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	A2) -top	75.55	84.67	-16.3	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	A3) -north slope	75.55	84.67	-15.6	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	B) Tundra-meadow	75.55	84.67	-14.8	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	C) Limestone-coast	75.55	84.67	-16.8	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	D) Limestone-inland	75.55	84.67	-14.9	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	E) Granite Gneiss	75.55	84.67	-14.8	0.00	SU	I	12,43,4
Truelove Lowlands,Devon Is.	F) Upland Plateau	75.55	84.67	-14.6	0.00	SU	I	12,43,4
Resolute		74.68	94.90	-12.2 to -13.1	15.2 - 30.5	I	I	8.13
Milne Inlet		72.33	80.50	-12.2	15.20	S	I	8,9,4
Mary River		71.18	79.35	-12.2	9.10	SU	I	8,4
Pangnirtung		66.00	65.50	-8 to -9	0.00	SU	I	36
Iqaluit Permafrost Site	North borehole	63.80	68.50	-9.2	5.00	SU	A	38,4,5
Mackenzie Delta								
Garry Island	1	69.50	135.77	-7.9	0.91	SU	I	47
Garry Island	2	69.50	135.77	-6.8	0.91	SU	I	47
Garry Island	3	69.50	135.77	-7.0	0.91	SU	I	47
Garry Island	4	69.50	135.77	-8.1	0.91	SU	I	47
Garry Island	5	69.50	135.77	-7.8	0.91	SU	I	47
Garry Island	6	69.50	135.77	-7.9	0.91	SU	I	47

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Garry Island	7	69.50	135.77	-6.8	0.91	SU	I	47
Garry Island	8	69.50	135.77	-7.8	0.91	SU	I	47
Garry Island	9	69.50	135.77	-7.7	0.91	SU	I	47
Garry Island	10	69.50	135.77	-7.4	0.91	SU	I	47
Mackenzie Delta		68.32	133.83	-4.6 to -3.1	0 - 30.5	I	I	8,13,4
Mackenzie Delta	Goose Is. south	69.90	135.30	-4.0	ZeroAmp	S	A	25
Mackenzie Delta	Goose Is. north	69.90	135.30	-6.4	ZeroAmp	S	A	25
Mackenzie Delta	Harry Ch #HT286	69.50	134.70	-7.3	ZeroAmp	S	A	25
Mackenzie Delta	Harry Ch #HT277	69.50	134.70	-6.5	ZeroAmp	S	A	25
Mackenzie Delta	Mouth Harry Ch	69.50	134.80	-5.3	ZeroAmp	S	A	25
Mackenzie Delta	Mouth East Ch	69.50	133.80	-3.0	0.00	S	A	25
Mackenzie Delta	Bar Harry Ch	69.50	134.80	-0.5	ZeroAmp	S	A	25
Mackenzie Delta	Harry Ch	69.40	134.90	-2.6	0.00	S	A	25
Mackenzie Delta	Kumak Ch #HT283	69.40	135.30	-2.0	ZeroAmp	S	A	25
Mackenzie Delta	Niglintagak 1593	69.40	135.30	-6.3	0.00	S	A	25
Mackenzie Delta	MiddleCh#Ht273	69.30	135.30	-2.2	ZeroAmp	S	A	25
Mackenzie Delta	Niglintagak Bar	69.30	135.20	-5.1	ZeroAmp	S	A	25
Mackenzie Delta	Aklak channel	69.30	135.20	-1.5	ZeroAmp	S	A	25
Mackenzie Delta	Harry Ch	69.30	135.00	-2.7	ZeroAmp	S	A	25
Mackenzie Delta	Niglintagak#HT276	69.30	135.20	-2.0	ZeroAmp	S	A	25
Mackenzie Delta	Bar Kumak Ch	69.30	135.40	-6.5	ZeroAmp	S	A	25
Inuvik		68.30	133.48	-3.3	7.6 - 30.5	I	I	8,13,4
North Head	C3 100m from Beaufort coast	69.72	134.45	-6.9	0.07	SU	A	37a
Taglu	C4	69.37	134.95	0.7	0.07	I	A	37a
Lousy Point	C5 glaciofluvial ridge	69.22	134.28	-6.2	0.07	I	A	37a
Reindeer Depot	C7 surface of bar in East Channel	68.02	134.14	-6.6	0.07	SU	A	37a
Rengleng River	C8 Alluvial plain	67.79	134.13	-1.2	0.07	SU	A	37a
Other NWT/Nunavut								
Tundra Mines Ltd.		67.43	115.53	-1.7	99.10	I	I	8
Meadowbank River		65.30	95.42	-3.2	8.23	SU	I	10
Norman Wells		65.30	126.82	-3.3 to -1.9	15.2 - 30.5	I	I	8,13
Norman Wells	mainland#495	65.29	126.57	-1.5	ZeroAmp	S	I	27
Norman Wells	Maninland#497	65.28	126.85	-0.8	ZeroAmp	S	I	27
Norman Wells	Bear Is#498	65.26	126.89	-1.5	ZeroAmp	S	I	27
Norman Wells	Bear Is.#496	65.25	126.88	-2.0	ZeroAmp	S	I	27
Contwoyto Lake	Lupin Gold Mine	65.75	111.20	-9.0	0.00	S	I	24,42
Thelon River		64.50	96.70	-5.2	8.23	S	I	10

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Baker Lake	Kiggavik Mine	64.50	97.50	-8.0	0.00	S	I	31,4,5
Thirty Mile Lake		63.50	96.80	-4.9	5.49	SU	I	10
Kazan River		63.04	97.10	-8.8	8.80	SU	I	10
Rankin Inlet		62.82	92.08	-9.4 to -8.3	30.50	I	I	8,13,4
Rankin Inlet	1	62.83	92.00	-7.9	13.87	S	I	10
Rankin Inlet	2	62.83	92.00	-7.9	12.50	S	I	10
Rankin Inlet	3	62.83	92.00	-7.9	4.88	SU	I	10
Rankin Inlet	4	62.83	92.00	-6.4	4.27	SU	I	10
Yellowknife		62.47	114.45	-0.3 to 0.5	0.7 - 2.5	SU	I	8,13
Kogtok River		62.09	97.05	-6.3	6.50	SU	I	10
Fort Simpson		61.87	121.35	1.9 to 0.7	0 - 1.5	SU	I	8,13
Maguse Lake		61.83	95.15	-6.2	15.54	S	I	10
Heninga Lake	1	61.75	96.33	-6.2	15.54	S	I	10
Heninga Lake	2	61.75	96.33	-6.4	14.78	S	I	10
Heninga Lake	3	61.75	96.33	-4.9	14.94	S	I	10
Heninga Lake	4	61.75	96.33	-5.6	14.94	S	I	10
Noomut River		61.50	96.83	-5.4	5.90	SU	I	10
Tha-Anne River		61.02	96.70	-3.9	6.10	SU	I	10
Fort Smith		60.02	111.97	0.0	4.60	SU	I	8,13
Mountain River	C9 alluvial terrace	65.67	126.83	-0.9	0.07	SU	A	37a
Norman Wells	C11 alluvial terrace	65.20	126.46	-0.7	0.07	SU	A	37a
Ochre River	C13 fluvial terrace	63.47	123.69	-0.1	0.07	SU	A	37a
Willowlake River	C14 top of inactive fluvial bar	62.70	123.06	-0.1	0.07	SU	A	37a
Fort Simpson	C15 glaciolacustrine plain	61.89	121.60	0.2	0.07	SU	A	37a
Yukon								
Aishihik (YT)		61.65	137.48	-2.1	6.10	SU	I	8,13
Kay Point -7	#205	69.21	138.39	-7.8	10.00	S	I	18
Alcan Foothills -1	#226	62.53	140.95	-2.6	6.00	SU	I	18
Alcan Foothills -2	#226	62.29	140.77	-2.0	7.00	SU	I	18
Alcan Foothills -3	#226	61.59	139.45	-1.9	6.00	SU	I	18
Alcan Foothills -4	#226	61.45	139.23	-0.8	6.00	SU	I	18
Alcan Foothills -5	#226	61.27	138.84	-1.7	6.00	SU	I	18
Alcan Foothills -6	#226	61.24	138.78	-0.9	6.00	SU	I	18
Alcan Foothills -7	#226	61.72	139.84	-0.9	3.00	SU	I	18
Alcan Foothills -8	#226	61.71	139.84	-0.9	6.00	SU	I	18
Alcan Foothills -9	#226	61.68	139.73	-1.0	5.00	SU	I	18
Alcan Foothills -10	#226	61.51	139.32	-2.5	6.00	SU	I	18
Alcan Foothills -11	#226	61.25	138.80	-1.4	4.00	SU	I	18

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Alcan Foothills -12	#226	60.92	137.87	0.2	6.00	SU	I	18
Alcan Foothills -13	#226	60.85	136.99	1.6	6.00	SU	I	18
Alcan Foothills -14	#226	60.82	136.70	1.3	6.00	SU	I	18
Monenco -3	#232	62.34	136.38	-0.5	10.00	S	I	18
Clinton Creek -2	#112	64.44	140.74	1.2	6.00	S	I	18
Clinton Creek -3	#112	64.44	140.74	0.4	6.00	S	I	18
Clinton Creek -4	#112	64.44	140.74	-5.4	6.00	S	I	18
British Columbia								
Ruby Creek -4	#188	59.71	133.40	1.3	16.00	I	I	18
Alberta								
Fort Vermilion		58.38	116.05	3.8 to 4.3	0 - 1.5	SU	I	8,13
Keg River		57.78	117.83	-0.6 to 0.0	1.50	SU	I	8,13
Saskatchewan								
Uranium City		59.57	108.62	-0.6 to 0.0	9.10	SU	I	8,13
Manitoba								
Churchill		58.77	94.13	-2.5 to -1.2	7.6 - 16.5	S	I	8,13
Kelsey		56.03	96.53	-0.8 to -0.3	9.10	SU	I	8,13
Thompson		55.60	98.70	-0.6 to 0.0	7.70	SU	I	8,13
Churchill	1	58.75	94.05	-2.9	14.94	S	I	10
Churchill	2	58.75	94.05	-2.6	15.54	S	I	10
Churchill	3	58.75	94.05	-0.9	15.54	S	I	10
Churchill	4	58.75	94.05	0.4	14.63	S	I	10
Nejanilini River		59.83	96.50	-6.2	15.54	S	I	10
Quebec								
Asbestos Hill		61.90	73.97	-7.2 to -6.7	<15.24	S	I	51
Asbestos Hill		61.83	73.75	-7.2 to -6.7	15.2 - 61.0	I	I	8,13
Schefferville		54.82	66.68	-0.8 to -0.3	7.6 - 57.9	I	I	8,13
Kangiqsualujjuaq	rock	58.70	66.00	-2.0	ZeroAmp	I	A	46
Kangiqsualujjuaq	Till	58.70	66.00	-2.6	ZeroAmp	I	A	46
Kangiqsualujjuaq	Silt clay	58.70	66.00	-0.3	ZeroAmp	I	A	46
Quaqtaq	Sediment	61.03	69.50	-5.1	ZeroAmp	I	A	46
Quaqtaq	Sedimet	61.03	69.50	-4.8	ZeroAmp	I	A	1,46
Kangiqsujuaq	rock	61.50	72.00	-5.8	ZeroAmp	I	A	1,46

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
SITES WITH TEMPERATURE MEASUREMENTS AT SEVERAL DEPTHS								
Arctic Islands								
Mould Bay A		76.20	119.42	-14.3	1.00	SU	I	3,4,5
Resolute		74.72	94.98	-11.5	1.00	SU	A	3,4,5,9,2
Alert	1	82.50	62.42	-14.0	0.00	SU	A	56
Alert	2	82.50	62.42	-16.4	0.00	SU	A	56
Alert	3	82.50	62.42	-15.7	0.00	SU	A	56
Alert	4	82.50	62.42	-16.5	0.00	SU	A	56
Alert	5	82.50	62.42	-16.0	0.00	SU	A	56
Rea Pt.		75.37	105.75	-16.5	ZeroAmp	S	I	6
Iqaluit Permafrost Site	South borehole	63.80	68.50	-10.5	0.50	SU	A	38
Hot Weather Creek	HWC.STN	79.95	84.44	-16.0	0.00	SU	I	37a
Mackenzie Delta								
Inuvik	I1	68.38	133.73	-1.1	1.00	SU	I	55,67
Inuvik	I2	68.32	133.42	-2.7	1.00	SU	I	55,67
Inuvik	I3	68.13	133.45	-3.0	1.00	SU	I	55,67
Inuvik	I4	69.12	133.43	-2.1	1.00	SU	I	55,67
Inuvik	I5	67.95	133.47	-1.1	1.00	SU	I	55,67
Inuvik	I6	67.50	133.77	-3.8	1.00	SU	I	55,67
Inuvik	I7	68.42	133.87	-3.3	1.00	SU	I	55,67
Inuvik	I8	68.42	133.87	-3.1	1.00	SU	I	55,67
Williams Island	#1	68.73	134.28	-1.2	0.00	S	I	53
Williams Island	#2	68.73	134.28	0.6	0.00	S	I	53
Williams Island	#3	68.73	134.28	-0.3	0.00	S	I	53
Williams Island	#4	68.73	134.28	-3.3	0.00	S	I	53
Williams Island	#5	68.73	134.28	-4.7	0.00	S	I	53
Lousy Point	BH91-6	69.24	134.44	-5.9	1.50	I	I	22
Lousy Point	BH91-8	69.24	134.42	-7.8	1.50	I	I	22
Lousy Point	BH91-10	69.23	134.35	-4.7	1.50	I	I	22
Lousy Point	BH91-11	69.23	134.34	-7.7	1.50	I	I	22
Lousy Point	BH91-12	69.22	134.30	-4.4	1.50	I	I	22
Lousy Point	BH91-13	69.22	134.29	-4.5	1.50	I	I	22
Lousy Point	BH91-15	69.21	134.27	-5.8	1.50	I	I	22
Parsons Lake	C6	68.58	133.55	-7.4	0.05	SU	A	37a
Other NWT/Nunavut								
Fort Smith		60.00	111.88	3.7	1.00	SU	A	3,4,5,9

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Fort Simpson	FS #1	61.79	121.30	0.8	0.00	I	I	57,44,9
Fort Simpson	FS #2	61.70	121.24	1.3	0.00	I	I	57,44,9
Fort Simpson	FS #3	61.64	121.41	1.3	0.00	I	I	57,44,9
Fort Simpson		61.87	121.35	0.9	1.00	SU	I	3,4,5,9,44,2
Yellowknife	1) black rock	62.47	114.45	0.9	5.00	S	I	11
Yellowknife	2) white rock	62.47	114.45	0.6	5.00	S	I	11
Yellowknife	3) red rock	62.47	114.45	1.4	5.00	S	I	11
Yellowknife	4) till	62.47	114.45	1.3	5.00	S	I	11
Yellowknife	5) beach ridge	62.47	114.45	0.6	5.00	S	I	11
Yellowknife	6) burned peatland	62.47	114.45	0.0	5.00	S	I	11
Yellowknife	7) sedge peatland	62.47	114.45	-0.4	5.00	S	I	11
Yellowknife	8) spruce peatland	62.47	114.45	-0.9	5.00	S	I	11
Baker Lake A		64.30	96.00	-6.9	1.00	SU	I	2,3,4,5
Baker Lake	Hole 1	64.167	95.5	-10.18	1.50	SU	A	17a
Baker Lake	Hole 3	64.167	95.5	-8.81	1.50	SU	A	17a
Baker Lake	Hole 4	64.167	95.5	-10.0	1.50	SU	A	17a
Canyon Ck North	84-2A	65.29	126.88	-0.9	1.00	S	A	15
Canyon Ck North	84-2B	65.27	126.52	-3.2	1.00	S	A	15
Canyon Ck South	84-2C	65.22	126.51	-1.9	1.00	S	A	15
Norman Wells Pump Stn	84-1	65.29	126.88	-3.2	1.00	S	A	15
Kee Scarp	HT137	65.31	126.73	1.8	1.00	D	A	15
Great Bear R.	84-3A	64.91	125.58	-2.6	1.00	SU	A	15
Great Bear R.	84-3B	64.91	125.57	-3.3	1.00	S	A	15
Table Mountain	85-7A	63.61	123.64	-2.5	1.00	S	A	15
Table Mountain	85-7B	63.60	123.62	-2.1	1.00	S	A	15
Table Mountain	85-7C	63.60	123.62	-2.6	1.00	S	A	15
Trail River	84-4A	62.08	121.99	2.3	1.00	S	A	15
Trail River	84-4B	62.08	121.99	-0.1	1.00	S	A	15
Manners Ck.	85-8A	61.60	121.09	-1.3	1.00	S	A	15
Manners Ck.	85-8B	61.60	121.09	-1.1	1.00	S	A	15
Manners Ck.	85-8C	61.60	121.09	-0.3	1.00	S	A	15
N Wells PumpStn3	85-9	61.39	120.90	1.7	1.00	S	A	15
Mackenzie Hwy S	85-10A	61.35	120.86	0.7	1.00	S	A	15
Mackenzie Hwy S	85-10B	61.35	120.87	-0.8	1.00	S	A	15
Moraine South	85-11	61.28	120.80	0.0	1.00	S	A	15
Jean Marie Ck.	85-12A	61.19	120.70	0.4	1.00	S	A	15
Jean Marie Ck.	85-12B	61.19	120.70	-1.2	1.00	SU	A	15
Gibson Gap		66.75	127.50	-0.6	1.00	I	A	15
Norman Wells	NW #1	62.35	127.17	-2.4	0.00	S	I	9,17,44
Norman Wells	NW #2	65.25	127.00	-2.8	0.00	S	I	9,17,44

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Norman Wells	NW #3	65.28	126.75	-2.8	0.00	I	I	9,17,44
Norman Wells	NW #4	65.34	127.07	-2.9	0.00	S	I	9,17,44
Norman Wells	NW #5	65.26	126.63	-2.2	0.00	S	I	9,17,44
Norman Wells	NW #6	65.23	127.12	-1.1	0.00	S	I	9,17,44
Norman Wells	NW #7	65.25	126.64	-1.3	0.00	I	I	9,17,44
Fort Good Hope	FGH #1	65.74	128.69	-0.1	0.00	I	I	9,17,44
Fort Good Hope	FGH #2	65.80	129.42	-2.0	0.00	S	I	9,17,44
Fort Good Hope	FGH #3	65.78	128.87	-1.0	0.00	S	I	9,17,44
Fort Good Hope	FGH #4	66.12	129.61	-1.3	0.00	S	I	9,17,44
Fort McPherson site	MP #1	67.43	135.42	-2.5	0.00	I	I	48,44
Fort McPherson site	MP #2	67.43	135.42	-4.8	0.00	I	I	48,44
Fort McPherson site	MP #3	67.43	135.42	-3.4	0.00	S	I	48,44
Great Bear River	C12	64.92	125.58	-2.7	1.50	SU	A	37a
Pump Stn 1	C10	65.28	126.88	-1.8	1.00	SU	A	37a
Tulita (10 km North)	SEEDS control site	64.9	125.58	-0.3	2.00	SU	I	48d
Norman Wells	Hole #7	65.28	126.83	-3.75	0.91	I	I	65a
Norman Wells	Hole #10	65.28	126.83	-3.4	0.91	I	I	65a
Norman Wells	Hole #12	65.28	126.83	-1.2	6.17	I	I	65a
Norman Wells	Hole #13	65.28	126.83	-0.5	6.17	I	I	65a
Norman Wells	Hole #14	65.28	126.83	-0.2	4.00	I	A	17a
Norman Wells	Hole #17	65.28	126.83	0.4	3.12	S	I	65a
Norman Wells	Water Treatment Plant	65.28	126.84	-0.8	4.00	I	A	17a
Norman Wells	Hockey Arena	65.28	126.83	-1.1	4.00	S	A	17a
Manners Ck.	undisturbed site	61.6	120.87	-0.3	1.50	SU	A	35b
Yukon								
Haines Junction		60.75	137.58	2.0	1.00	SU	I	2,3,4,5,9
Watson Lake A		60.07	128.70	3.9	1.00	SU	I	3,4,5,9
Tuichita, Yukon	Peat plateau	61.50	131.00	-0.1	1.10	SU	A	35
Mayo	Glaciolacustrine A	63.58	135.58	-2.3	2.00	SU	A	20
Mayo	Alluvial C	63.58	135.58	-0.7	2.00	SU	A	20
Mayo	Glaciolacustrine B	63.58	135.58	-2.0	2.00	SU	A	20
British Columbia								
Prince George A		53.88	122.67	6.2	1.50	SU	I	2,3,4,5,9
Summit Lake A	Summit Pass	58.63	124.70	-1.1	ZeroAmp	S	A	34,35
Summit Lake B	Upper Testa R	58.66	124.58	1.8	ZeroAmp	I	I	34
Summit Lake C	Lower Testa R	58.67	124.45	0.6	ZeroAmp	S	I	34
Summit Lake D	Mill Ck	58.67	123.99	1.7	ZeroAmp	S	I	34

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Summit Lake E	Steamboat	58.68	123.77	1.9	ZeroAmp	S	I	34
Alberta								
Lethbridge		49.70	112.78	7.9	1.00	SU	A	2,3,4,5,9
Vauxhall		50.05	112.13	8.0	1.00	SU	A	2,3,4,5,9
LaCombe		52.47	113.73	6.5	1.00	SU	A	3,4,5,9
Ellerslie		53.42	113.55	4.9	1.00	SU	I	2,3,4,5,9
Ellerslie Research Stn		53.42	113.47	5.4	0.00	SU	I	65
Vegreville		53.48	112.03	4.5	1.00	SU	I	2,3,4,5,9
Edson A		53.58	116.43	5.3	1.00	SU	I	3,4,5,9
Beaverlodge		55.18	119.37	4.8	1.00	SU	A	2,3,4,5,9
Beaverlodge		55.18	119.38	4.9	1.00	SU	I	30
Slave Lake		55.28	114.77	5.7	1.00	SU	I	3,4,5,9
Peace River		56.23	117.43	4.5	1.00	SU	I	2,3,4,5,9
Fort Vermilion		58.38	116.05	5.4	1.00	SU	I	2,3,4,5,9
Plateau Mtn.	#2	50.20	114.53	-1.1	ZeroAmp	D	A	35
Marmot Basin	#1	53.00	119.00	-1.3	ZeroAmp	S	A	35
Petitot River N	84-5A	59.75	119.50	-0.1	1.00	S	A	15
Petitot River N	84-5B	59.75	119.51	-1.2	1.00	S	A	15
Petitot River S	84-6	59.45	119.25	-0.1	1.00	S	A	15
Plateau Mtn	Blocky slope	50.182	114.503	-6	0.27	SU	A	35a
Plateau Mtn	Loess pocket	50.182	114.503	0.1	0.47	SU	A	35a
Saskatchewan								
Swift Current A		52.25	107.83	5.4	1.00	SU	I	3,4,5,9
Swift Current		50.28	107.80	6.0	1.00	SU	A	3,4,5,9
Swift Current		50.27	107.73	5.7	1.00	SU	I	30
Broadview		50.38	102.58	5.4	1.00	SU	I	2,3,4,5,9
Regina		50.40	104.57	4.7	1.00	SU	I	2,3,4,5,9
Yorkton A		51.22	102.47	4.5	1.00	SU	I	3,4,5,9
Kindersley		51.47	109.17	5.9	1.00	SU	A	3,4,5,9
Outlook		51.48	107.05	6.0	1.00	SU	I	2,3,4,5,9
Wynyard		51.77	104.20	4.3	1.00	SU	A	2,3,4,5,9
Saskatoon SRC		52.15	106.60	6.2	1.00	SU	A	7
Saskatoon		52.15	106.60	6.0	1.00	SU	I	2,3,4,5,9
Hudson Bay		52.85	102.38	5.8	1.00	SU	I	3,4,5,9
La Ronge A		55.10	105.30	5.1	1.00	SU	I	2,3,4,5,9
Cree Lake		57.72	106.28	2.8	1.00	SU	I	3,4,5,9
Manitoba								

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Winnipeg		49.88	97.17	5.4	1.02	SU	I	64
Winnipeg Int'l A		49.90	97.23	6.0	1.00	SU	I	2,3,4,5,9
Whiteshell Nuclear		50.18	96.05	6.1	1.00	SU	I	23
Gimli		50.63	96.98	6.6	1.00	SU	I	3,4,5,9
Pasquia Project		53.75	101.63	5.2	1.00	SU	A	3,4,5,9
Thompson		55.75	97.87	2.8	1.00	SU	A	3,4,5,9
Thompson	A	55.80	97.87	0.9	5.00	SU	I	11
Thompson	B	55.80	97.87	1.3	5.00	SU	I	11
Thompson	C	55.80	97.87	0.2	5.00	SU	I	11
Thompson	D	55.80	97.87	-0.2	5.00	SU	I	11
Thompson	E	55.80	97.87	2.3	5.00	SU	I	11
Charlebois Siding	R69-2-6 Peat Plateau	56.69	94.07	-0.90	1.00	S	I	29a
Charlebois Siding	R69-2-7 Fen	56.69	94.07	1.10	1.00	SU	I	29a
Charlebois Siding	R69-2-11 Peat Plateau	56.69	94.07	~-.9	4.50	S	I	29a
Nelson River	R68-1-1 River Bank	56.48	94.14	~1.6	1.00	S	I	29a
S of Pennycuttaway River	R65-4-3 Peat Plateau	56.10	93.30	-0.70	3.00	S	I	29a
N of Gods River	R59-1-1 Peat Plateau	55.40	92.60	-0.30	6.00	S	I	29a
N of Gods River	R59-1-4 Peat Plateau	55.40	92.60	-0.50	3.00	S	I	29a
Ontario								
Ottawa		45.38	75.72	7.9	1.00	SU	A	2,3,4,5.9
Perch Lake, Chalk R		46.05	77.43	8.7	1.00	SU	I	66
Atikokan		48.75	91.62	7.4	1.00	SU	I	2,3,4,5,9
Kapuskasing		49.40	82.43	6.3	1.00	SU	A	2,3,4,5,9
Quebec								
Ste Anne De Bellevue		45.42	73.98	7.2	1.00	SU	A	3,4,5,9
St Augustin		46.73	71.50	7.8	1.00	SU	I	2,3,4,5,9
Foret Montmorency		47.27	71.17	6.1	1.00	SU	A	3,4,5,9
La Pocatiere		47.35	70.03	7.2	1.00	SU	A	2,3,4,5,9
Val D'or		48.05	77.78	6.5	1.00	SU	A	3,4,5,9
Caplan		48.10	65.68	7.4	1.00	SU	I	3,4,5,9
Normandin		48.85	72.53	6.1	1.00	SU	I	30
Normandin		48.83	72.58	5.8	1.00	SU	A	3,4,5,9
Kuujjuaq A		58.10	68.42	-2.4	1.00	SU	I	2,3,4,5,9
Kangiqsualujjuaq	Tidal Marsh	58.50	65.50	1.2	0.95	SU	A	52
Kangiqsualujjuaq	Till	58.50	65.50	-4.0	0.90	SU	A	52
Kangiqsualujjuaq	Tidal Flat	58.50	65.50	3.2	1.27	SU	A	52

Site Location	Site Identifier	Latitude (°N)	Longitude (°W)	MAGT (°C)	Depth (metres)	Borehole Depth Class	Status	Reference Source(s)
Quaqtaq	rock	61.03	69.50	-4.5	ZeroAmp	S	A	46
Salluit	till	62.25	75.50	-5.9	ZeroAmp	S	A	1,52
Salluit	silt	62.25	75.50	-5.5	ZeroAmp	SU	A	1,52
Salluit	rock	62.25	75.50	-6.5	ZeroAmp	SU	A	1,52
Tasiujaq	rock	58.70	70.00	-2.2	ZeroAmp	SU	A	1,52
Schefferville-3	Timmins 4	54.80	66.82	-0.5	10.00	S	I	37a
Newfoundland								
Goose		53.32	60.42	4.6	1.00	SU	A	2,3,4,5,9
St. John's W		47.57	52.72	6.8	1.00	SU	A	3,4,5,9
Knob Lake		54.75	66.78	2.1	1.00	SU	I	21,9

APPENDIX

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EXTRAPOLATED MEAN ANNUAL GROUND SURFACE TEMPERATURE

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 100 m
NORTHWEST TERRITORIES/NUNAVUT																		
Arctic Islands																		
Eastern Melville Is.	-	76.33	109.50	-	other	I	-	-17.0	na	na	na	na	na	na	-	-	0.0	-17.3
Neil 0-15	# 197	80.74	83.08	487	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-10.0
Gemini E-10	# 175	79.99	84.07	126	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-17.6
Fosheim N-27	# 97	79.62	84.72	562	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-19.7
Mokka A-02	# 166	79.52	87.02	253	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.1
Louise Bay 0-25	# 169	78.75	102.70	69	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -16.7
Dome Bay P-36	# 171	78.43	103.26	154	EPB	I	20-05-74	na	na	na	na	na	na	na	-	-	0.0	</= -14.2
Kristoffer Bay B-06	# 155	78.26	102.53	15	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-18.3
Thor P-38	# 170	78.13	102.53	5	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-17.6
Hoodoo Dome H-37	# 86	78.11	99.76	156	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -17.5
Brock I-20	# 158	78.00	114.57	16	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -19.8
Wilkins E-60	# 87	77.99	111.36	64	EPB	I	09-05-71	na	na	na	na	na	na	na	-	-	0.0	</= -12.9
Linckens Island P-46	# 195	77.76	97.76	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -16.7
Sutherland 0-23	# 256	77.72	102.14	21	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-18.0
Cornwall 0-30	# 291	77.50	94.65	20	EPB	I	15-05-80	na	na	na	na	na	na	na	-	-	0.0	</= -14.4
Pat Bay A-72	# 258	77.35	105.45	17	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-16.5
Jameson Bay C-31	# 91	76.67	116.73	58	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -16.1
Drake E-78	# 199	76.46	108.49	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-16.0
Drake D-68	# 198	76.45	108.93	37	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -8.0
Drake B-44	# 172	76.39	108.27	4	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-16.6
Drake D-73	# 259	76.37	108.49	32	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-17.2
Bent Horn N-72	# 196	76.36	103.94	63	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-16.9
Bent Horn F-72A	# 286	76.36	103.97	43	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.8
Hecla I-69	# 200	76.31	110.39	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -17.3
Pedder Point D-49	# 257	75.64	118.81	101	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -18.1
Little Cornwallis PG-10-77	#214	75.49	97.02	2	EPB	I	19-05-77	na	na	na	na	na	na	na	-	-	0.0	</=-5.19
Polaris -1	# 157	75.40	96.93	31	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.3
Polaris -2	# 157	75.40	96.93	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-10.5

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Polaris -3	# 157	75.40	96.93	38	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-13.9
Polaris -4	# 157	75.40	96.93	18	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.8
Polaris -5	# 157	75.40	96.93	32	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-16.4
Polaris -6	# 157	75.50	97.03	-9	EPB	I	May-73	na	na	na	na	na	na	na	-	-	0.0	</=-1.6
Polaris - 7	#157	75.45	97.00	-11	EPB	I	May-73	na	na	na	na	na	na	na	-	-	0.0	</=-2.1
Polaris -8	#157	75.40	96.93	9	EPB	I	04-06-73	na	na	na	na	na	na	na	-	-		
Polaris -9	#157	75.40	96.93	-11	EPB	I	6/73?	na	na	na	na	na	na	na	-	-	0.0	</=-2.3
Polaris - 10	#157	75.40	96.93	3	EPB	I	Jun-73	na	na	na	na	na	na	na	-	-	0.0	</=-8.1
Polaris - 11	#157	75.40	96.93	3	EPB	I	Jun-73	na	na	na	na	na	na	na	-	-	0.0	</=-7.7
Devon E-45	# 99	75.07	91.81	244	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.0
Winter Harbour	# 73	74.80	110.51	22	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -15.4
Resolute 1	-	74.68	94.90	10	EPB	I	0/0/55	na	na	na	na	na	na	na	-	-	0.0	</= -14.9
Lobitos Resolute L-41	# 55	74.68	94.74	61	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -15.0
Dundas C-80	# 168	74.65	113.38	240	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-15.4
Garnier O-21	# 92	73.68	90.61	369	EPB	I	10-07-71	na	na	na	na	na	na	na	-	-	0.0	<-.25
Storkerson Bay A-15	# 98	72.90	124.56	14	EPB	I	10-05-72	na	na	na	na	na	na	na	-	-	0.0	</= -13.1
Powley M-04	# 95	69.07	79.06	48	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-9.0
Resolute Bay NWT		74.50	95.00	-	other	I	1955	na	na	na	na	na	na	na	-	-	0.0	-
Polar Gas PG-9A-77	#214-7	75.53	97.23	2	GSC	I	28-05-78	na	na	na	na	na	na	na	-	-	0.0	</= -9.1
Assistance Bay PG-7-77	#214-6	74.64	94.36	1	GSC	I	04-08-84	na	na	na	na	na	na	na	-	-	0.0	</= -7.8
Agassiz Ice Cap 1977 hole	#606-1	80.82	72.90	1670	GSC	I	11-05-91	na	na	na	na	na	na	na	-	-	0.0	</= -19.3
Agassiz Ice Cap 1984 hole	#606-2	80.82	72.90	1730	GSC	I	11-05-91	na	na	na	na	na	na	na	-	-	0.0	</= -19.8
Marryatt K-71	#289	76.35	108.97	80	GSC	I	13-05-91	na	na	na	na	na	na	na	-	-	0.0	</= -16.2
Polar Gas	PG-7-78	75.40	104.49		GSC	I	-	na	na	na	na	na	na	na	-	-	0.0	-13.4
Polar Gas	PG-11-78	75.54	105.60		GSC	I	-	na	na	na	na	na	na	na	-	-	0.0	-14.7
Rea Pt.	Telsat 1	75.37	105.67		GSC	I	-	na	na	na	na	na	na	na	-	-	0.0	-14.96
Rea Pt.	Telsat 2	75.37	105.67		GSC	I	-	na	na	na	na	na	na	na	-	-	0.0	-14.95
Mackenzie Delta Region																		
Kimik D-29	# 261	69.64	132.37	10	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -9.3
Ivik J-26	# 266	69.60	134.34	23	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -8.9
Atertak F-41	# 262	69.51	132.70	12	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -8.4
Kilagmiotak F-48	# 165	69.46	134.20	20	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-7.7

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Pikiolik M-26	# 263	69.43	132.62	17	EPB	I	27-07-75	na	na	na	na	na	na	na	-	-	0.0	</= -8.0
Malik A-06	# 265	69.42	134.51	27	EPB	I	25-07-75	na	na	na	na	na	na	na	-	-	0.0	</= -8.3
Adgo P-25	# 255	69.42	135.84	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 3.3
Taglu D-55	# 269	69.40	134.97	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.2
Garry P-04	# 288	69.40	135.51	1	EPB	I	22-07-78	na	na	na	na	na	na	na	-	-	0.0	</= -4.5
Taglu H-54	# 287	69.39	134.97	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -5.6
Pikiolik E-54	# 284	69.39	132.74	18	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -9.1
Taglu N-43	# 262	69.38	134.94	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-5.6
Taglu D-43	# 268	69.37	134.95	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-1.7
Taglu C-42	# 267	69.35	134.94	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-1.9
Niglintgak H-30	# 173	69.32	135.34	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-3.6
Niglintgak M-19	# 270	69.31	135.32	2	EPB	I	28-08-75	na	na	na	na	na	na	na	-	-	0.0	</= -3.4
Niglintgak B-19	# 278	69.30	135.31	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -4.0
Kumak E-58	# 280	69.29	135.25	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.0
Ya Ya A-28	# 254	69.29	134.59	40	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-8.8
Ya Ya P-53	# 176	69.21	134.71	36	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-8.0
North Ellice J-23	# 271	69.21	135.85	1	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -4.7
Unipkat I-22	# 167	69.20	135.34	5	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-
Red Fox P-21	# 260	69.18	133.58	23	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -5.7
Reindeer D-27	# 63	69.10	134.62	29	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -6.3
Titalik K-26	# 177	69.09	135.11	12	EPB	I	20-06-73	na	na	na	na	na	na	na	-	-	0.0	</= -0.7
Reindeer F-36	# 179	69.09	134.65	10	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -7.0
Siku A-12	# 277	69.02	133.54	56	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-5.1
Siku E-21	# 284	69.00	133.62	55	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-7.7
Siku C-11	# 274	69.00	133.65	58	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.1
Parsons N-10	# 178	69.00	133.53	68	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -6.0
Parsons D-20	# 285	68.99	133.57	62	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-
Kamik D-48	# 273	68.95	133.46	31	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-7.5
Atigi O-48	# 194	68.95	133.94	85	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.9
Parsons N-17	# 275	68.95	133.57	52	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-0.1
Parsons L-37	# 279	68.95	133.67	38	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-7.1

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Kugpik O-13	# 192	68.88	135.30	2	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-2.1
Parsons L-43	# 272	68.88	133.70	49	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.0
Ikhil I-37	# 193	68.78	134.13	125	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.5
Ulu A-35	# 276	68.73	135.88	3	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -0.9
Beaver House H-13	# 89	68.37	135.55	68	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -6.5
Tuktoyaktuk	Atkinson Point nearest to shore	69.90	131.45	-	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-9.7
Tuktoyaktuk	Atkinson Point farthest from shore	69.90	131.45	-	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-10.0
Tuktoyaktuk	Liverpool near shore	69.85	131.45	-	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-10.0
Tuktoyaktuk	Liverpool	69.85	130.12	-	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-8.5 to -9.0
South Mackenzie Delta	#1	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-3.4
South Mackenzie Delta	#2	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.5
South Mackenzie Delta	#3	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.5
South Mackenzie Delta	#4	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-2.8
South Mackenzie Delta	#5	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.9
South Mackenzie Delta	#6	67.85	134.58	~10	other	I	-	na	na	na	na	na	na	na	-	-	0.0	-6.3
Illisarvik Lake	250m inland	69.48	134.59	7	EPB	I	1978	na	na	na	na	na	na	na	-	-	0.0	-7.0
Illisarvik Lake	Shoreline	69.48	134.59	7	EPB	I	1978	na	na	na	na	na	na	na	-	-	0.0	-3.0
Inuvik 5 mi SW	no. 3	68.30	133.83	-	other	I	05/1961	-10.0	na	na	na	na	173.0	na	-	-	0.0	-4.4
Inuvik 5 mi SW	no. 4	68.30	133.83	-	other	I	05/1961	-10.0	na	na	na	na	173.0	na	-	-	0.0	-4.4
SW of Tuktoyaktuk	Near lake	69.30	133.10	-	other	I	Aug 1967	na	na	na	na	na	na	na	-	-	0.0	-6.5
Ellice Is. #1	30 m from channel	69.15	135.72	-	other	I	July 1969	na	na	na	na	na	na	na	-	-	0.0	-0.4
Ellice Is. #2	20 m from channel	69.15	135.75	-	other	I	July 1969	na	na	na	na	na	na	na	-	-	0.0	-0.8
Ellice Is. #3	9 m from channel	69.20	135.43	-	other	I	1964-1965	na	na	na	na	na	na	na	-	-	0.0	-2.8
Ellice Is. #4	8 m from channel	69.15	135.72	-	other	I	July 1969	na	na	na	na	na	na	na	-	-	0.0	-3.2
Ellice Is. #5	3 m from channel	69.15	135.72	-	other	I	July 1969	na	na	na	na	na	na	na	-	-	0.0	-2.9
Amauligak	#601	70.06	133.63	-32	EPB	I	30-09-87	na	na	na	na	na	na	na	-	-	0.0	</=-1.64
Isserk Geotechnical Hole	#602	69.91	134.30	-11	EPB	I	01-03-90	na	na	na	na	na	na	na	-	-	0.0	</= -1.1

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Taglu	92GSCTaglu	69.37	134.95	2	GSC	I	01-06-92	na	na	na	na	na	na	na	-	-	0.0	-6.7
Kumak	92GSCKumak	69.19	135.34	2	GSC	I	07-06-92	na	na	na	na	na	na	na	-	-	0.0	-4.3
Unipkat	92GSCUnipkat	69.19	135.34	3	GSC	I	07-06-92	na	na	na	na	na	na	na	-	-	0.0	-0.3
Tuktoyaktuk	208-7	68.45	133.03	3	GSC	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.7
Other NWT																		
Arctic Red River site	-	67.43	133.10	76	other	I	/1965 & 06/1966	na	na	na	na	na	na	na	-	-	0.0	-4.5 +/- 0.2
Fort McPherson site	-	67.43	135.42	396	other	I	/1965 & 06/1966	-8.2	na	na	na	na	na	na	-	-	0.0	-2.8
Horton River G-02	# 77	69.86	127.27	34	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -8.3
Sadene D-02	# 281	68.85	126.79	233	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-3.5
Kugaluk N-02	# 76	68.53	131.52	213	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	</= -3.8
Tedji Lake K-24	# 253	67.73	126.83	343	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	-4.8
Muskox North		67.09	115.28	536	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	</= -4.4
Muskox South		67.01	115.22	513	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	</= -7.7
Hackett River 190-1	# 190	65.92	108.47	425	EPB	I	09-08-74	na	na	na	na	na	na	na	-	na	0.0	</= -7.6
Hackett River 190-2	# 190	65.92	108.47	425	EPB	I	09-08-74	na	na	na	na	na	na	na	-	na	0.0	</= -7.3
Hume River D-53	# 100	65.87	129.18	84	EPB	I	-	-7.6	na	na	na	na	na	na	-	na	0.0	</= -1.4
West Whitefish H-34	# 151	65.56	124.60	227	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	</= -3.4
Norman Wells Canol 30x	# 88	65.29	126.87	65	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -4.4
Norman Wells Canol 19x	# 88	65.29	126.88	53	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -3.8
Norman Wells Canol 18x	# 88	65.29	126.87	61	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -4.1
Norman Wells Canol 7x	# 88	65.28	126.85	61	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -4.5
Norman Wells Canol 33x	-	65.28	126.84	61	EPB	I	0/5/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -0.8
Norman Wells Bear I 13	# 88	65.26	126.89	54	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -4.2
Norman Wells Bear I 7	# 88	65.26	126.88	52	EPB	I	0/0/66	-6.2	na	na	na	na	na	na	-	na	0.0	</= -3.8
Dahadinni M-43A	# 94	63.88	124.66	248	EPB	I	-	na	na	na	na	na	na	na	-	na	0.0	</= -1.5
Yellowknife	# 66	62.51	114.42	207	EPB	I	05-08-68	-5.4 to -6.2	na	na	na	na	na	na	-	na	0.0	</= 1.4
Providence A-47	# 70	61.44	117.38	162	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 0.4
Cameron B-13	# 293	60.04	117.05	213	EPB	I	19-09-80	na	na	na	na	na	na	na	-	-	0.0	</= 2.6
Lac Cinquante -2	# 294	62.59	98.64	199	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -3.6
Lac Cinquante -1	# 294	62.59	98.63	196	EPB	I	23-07-80	na	na	na	na	na	na	na	-	-	0.0	</= -0.1
Cambridge	#85-2	69.12	105.06	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-

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Cambridge	#85-1	69.12	105.05	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-
Norman Wells	Well 17	65.30	126.75	-	other	I	1947-1948	na	na	na	na	na	na	na	-	-	0.0	-
Norman Wells	Airport Rd 122 m from Mackenzie R	65.30	126.75	-	other	I	Sep-65	na	na	na	na	na	na	na	-	-	0.0	-
Norman Wells	Deadline Rd 1200 m from Mackenzie R	65.30	126.75	-	other	I	Sep-65	na	na	na	na	na	na	na	-	-	0.0	-
Norman Wells	Well33	65.30	126.75	-	other	I	1947-1948	na	na	na	na	na	na	na	-	-	0.0	-
Norman Wells	Well 15	65.30	126.75	-	other	I	1947-1948	na	na	na	na	na	na	na	-	-	0.0	-
Near Ft Providence		61.44	117.38		other	I	1994	na	na	na	na	na	na	na	-	-	0	0.4
Sapper Ranges		62.67	128.54		other	I	1994	na	na	na	na	na	na	na	-	-	0	2.5
Near Cameron Hill		59.98	117.15		other	I	1994	na	na	na	na	na	na	na	-	-	0	2.7
Near Cameron R		60.38	127.40		other	I	1994	na	na	na	na	na	na	na	-	-	0	2.0
YUKON																		
North Cath B-62	# 62	66.19	138.69	535	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-
MacMillan Pass -1	# 296	63.15	130.25	1193	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 2.4
MacMillan Pass -2	# 296	63.15	130.28	1276	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 1.3
MacMillan Pass -3	# 296	63.15	130.26	1293	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 1.1
MacMillan Pass -4	# 296	63.15	130.25	1168	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 3.7
MacMillan Pass -5	#296	63.15	130.26	1277	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 1.0
MacMillan Pass -6	#296	63.16	130.27	1284	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 1.5
MacMillan Pass -7	#296	63.16	130.27	1202	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 2.2
MacMillan Pass -8	#296	63.15	130.25	1156	EPB	I	10-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 3.5
Howards Pass -1	# 290	62.57	129.54	1497	EPB	I	02-08-79	na	na	na	na	na	na	na	-	-	0.0	</= 1.5
Howards Pass -2	# 290	62.45	129.40	1631	EPB	I	05-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 0.9
Red Mountain -1	# 289	60.99	133.76	1500	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	0.8
Red Mountain -2	# 289	60.99	133.75	1436	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	1.6
Red Mountain -4	# 289	60.99	133.75	1414	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	1.6
Red Mountain -7	# 289	60.99	133.75	1517	EPB	I	01-08-81	na	na	na	na	na	na	na	-	-	0.0	</= -0.6
Red Mountain -8	# 289	60.99	133.75	1514	EPB	I	01-08-81	na	na	na	na	na	na	na	-	-	0.0	</= -0.4
Otter Creek -1	#297	60.35	127.40	915	EPB	I	08-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 0.8
Otter Creek -2	# 297	60.35	127.40	910	EPB	I	08-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 2.1
Otter Creek -3	# 297	60.36	127.40	942	EPB	I	08-08-81	na	na	na	na	na	na	na	-	-	0.0	</= 1.3
Logtung -1	# 139	60.01	131.60	1477	EPB	I	15-08-80	na	na	na	na	na	na	na	-	-	0.0	</= 2.3
Logtung -2	# 139	60.01	131.61	1575	EPB	I	15-08-80	na	na	na	na	na	na	na	-	-	0.0	</= 0.4
Logtung -3	# 139	60.01	131.60	1567	EPB	I	15-08-80	na	na	na	na	na	na	na	-	-	0.0	</= -0.1

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Logtung -4	# 139	60.01	131.61	1522	EPB	I	15-08-80	na	na	na	na	na	na	na	-	-	0.0	</= 0.5
B.R. Blow River	-	68.77	137.45	125	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-4.8
Clinton Creek -1	#112	64.44	140.74	557	EPB	I	27-03-74	na	na	na	na	na	na	na	-	-	0.0	</= -0.2
Whitehorse Copper -1	#122	60.62	135.05	870	EPB	I	15-07-76	na	na	na	na	na	na	na	-	-	0.0	</= 0.8
Whitehorse Copper -2	#122	60.75	135.13	825	EPB	I	16-07-76	na	na	na	na	na	na	na	-	-	0.0	</= 2.0
Whitehorse Copper -3	#122	60.75	135.18	885	EPB	I	02-11-77	na	na	na	na	na	na	na	-	-	0.0	</= 1.1
Kay Point -1	#205	69.25	138.38	60	EPB	I	02-04-76	na	na	na	na	na	na	na	-	-	0.0	</= -8.7
Kay Point -2	#205	69.25	138.33	60	EPB	I	01/01/1977 ?	na	na	na	na	na	na	na	-	-	0.0	</= -9.2
Kay Point -3	#205	69.29	138.39	10	EPB	I	02-05-76	na	na	na	na	na	na	na	-	-	0.0	</= -10
Kay Point -4	#205	69.27	138.35	30	EPB	I	02-05-76	na	na	na	na	na	na	na	-	-	0.0	</= -11.0
Kay Point -5	#205	69.27	138.41	5	EPB	I	12-07-76	na	na	na	na	na	na	na	-	-	0.0	</= -10.5
Kay Point -6	#205	69.23	138.43	5	EPB	I	02-05-76	na	na	na	na	na	na	na	-	-	0.0	</= -7.9
Kay Point -8	#205	69.20	138.34	5	EPB	I	12-07-76	na	na	na	na	na	na	na	-	-	0.0	</= -6.7
Kay Point -9	#205	69.23	138.41	5	EPB	I	12-07-76	na	na	na	na	na	na	na	-	-	0.0	</= -8.7
Kay Point -10	#205	69.25	138.50	0	EPB	I	02-05-76	na	na	na	na	na	na	na	-	-	0.0	</= -4.3
Foothills CS -1	#231	60.81	137.43	671	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -0.8
Foothills CS -2	#231	60.80	135.95	586	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 1.2
Foothills CS -3	#231	61.58	134.63	686	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -0.5
Monenco -1	#232	62.02	136.82	576	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -0.4
Monenco -2	#232	62.29	136.24	578	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.7
Dorsey Lk YT		60.12	131.61		other	I	1994	na	na	na	na	na	na	na	-	-	0	1.3
Near Slate Mtn		60.99	133.75		other	I	1994	na	na	na	na	na	na	na	-	-	0	1.4
Near Macmillan		63.15	130.26		other	I	1994	na	na	na	na	na	na	na	-	-	0	2.8
BRITISH COLUMBIA																		
Buckley L.	#10	57.89	130.86	899	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 1.8
Hotailum	#9	58.16	129.87	1170	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.5
Ritchie	#75	56.42	129.15 -		EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 4.0
Ruby Creek -1	#188	59.71	133.41	1559	EPB	I	31-08-73	na	na	na	na	na	na	na	-	-	0.0	</= 0.0
Ruby Creek -2	#188	59.71	133.40	453	EPB	I	31-08-73	na	na	na	na	na	na	na	-	-	0.0	</= 2.4
Ruby Creek -3	#188	59.71	133.41	1475	EPB	I	30-08-73	na	na	na	na	na	na	na	-	-	0.0	</= 1.9
ALBERTA																		
Tathlina Lake	# 292	59.98	117.02	297	EPB	I	19-09-80	na	na	na	na	na	na	na	-	-	0.0	</= 2.2
Indian 9-8	# 295	59.85	117.09	296	EPB	I	22-04-81	na	na	na	na	na	na	na	-	-	0.0	</= -4.0
Zama N	THL1	58.97	118.90		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.5
Le Crete	THL2	58.29	116.22		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.0
Meander R. Station		58.99	117.66		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.2
Meander R.	THL3	58.22	116.03		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.3
Le Crete	THL4	58.22	116.03		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.3
Near Sutherland Is.	TFM1	57.33	111.69		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.0
Near Calumet Lk.	TFM2	57.40	111.82		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.0

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Near Calumet Lk.	TFM3	57.45	111.99		other	I	1993	na	na	na	na	na	na	na	-	-	0	3.2
Near Tea Kettle Ck.	TFM14	56.97	111.85		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.0
Near Dunkirk R.	TFM15	56.77	112.49		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.0
Near Eight Lake	TFM19	57.51	111.40		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.7
Smith	TPR1	55.22	114.07		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.0
Winagmi	TPR2	55.62	116.68		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.3
Cadotte L.	TPR3	56.50	116.52		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.0
Mane L.	TCL1	54.61	110.25		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.8
Mane L.	TCL2	54.61	110.25		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.8
Cushing L.	TCL3	54.06	110.40		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Cushing L.	TCL4	54.06	110.40		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Cushing L.	TCL5	54.06	110.40		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Borgone L.	TCL6	54.65	110.51		other	I	1993	na	na	na	na	na	na	na	-	-	0	4.9
Esso Seism. St	TCL7	54.62	110.43		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.6
Esso Seism. St	TCL8	54.62	110.43		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.6
Esso T.H. 1	TCL9	54.57	110.46		other	I	-	na	na	na	na	na	na	na	-	-	0	4.5
Lessard	TCL10	54.48	110.63		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.2
BPTriad 3	TCL11	54.74	110.71		other	I	-	na	na	na	na	na	na	na	-	-	0	5.3
BPTriad 82-1	TCL12	54.74	110.71		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.3
BPTriad W	TCL13	54.74	110.71		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.3
Wolf Lk	TCL14	54.57	110.81		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Near Iron River	CL945A	54.47	110.98		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Metiskow	TSA1	52.41	110.59		other	I	1993	na	na	na	na	na	na	na	-	-	0	5.7
Monitor	TSA2	51.79	110.50		other	I	1993	na	na	na	na	na	na	na	-	-	0	7.0
Sounding Cr	TSA3	51.57	110.48		other	I	1993	na	na	na	na	na	na	na	-	-	0	6.7
Forty Mile Coube	TSA4	49.69	111.45		other	I	1993	na	na	na	na	na	na	na	-	-	0	9.0
Pakowki	TSA5	49.47	110.97		other	I	1993	na	na	na	na	na	na	na	-	-	0	8.2
Warner	TSA6	49.38	112.20		other	I	1993	na	na	na	na	na	na	na	-	-	0	7.9
NE of Wainwright	S752	52.88	110.79		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Vegreville	S753	53.50	112.12		other	I	1992	na	na	na	na	na	na	na	-	-	0	4.8
Wainwright Farm	S754	52.72	110.85		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Galahad	S755	52.55	111.91		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.6
Stettler	S756	52.33	112.76		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.9
Stettler	S757	52.32	112.80		other	I	1992	na	na	na	na	na	na	na	-	-	0	6.1
Wetaskiwin	S758	52.95	113.22		other	I	1992	na	na	na	na	na	na	na	-	-	0	6.0
Rollyview	S759	53.22	113.35		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Wetaskiwin	S760	52.99	113.48		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Entwistle	S761	53.59	115.00		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Edson	S762	53.59	116.41		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Tricreek Basin	S763	53.14	117.28		other	I	1992	na	na	na	na	na	na	na	-	-	0	3.6
Tricreek	S764	53.11	117.32		other	I	1992	na	na	na	na	na	na	na	-	-	0	3.3
Lloydminsister	S765	53.35	110.01		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.4
Three Hills	S766	51.68	113.29		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.9
Olds	S767	51.77	113.97		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.3
Sundrea	S768	51.83	114.65		other	I	1992	na	na	na	na	na	na	na	-	-	0	4.9
Barhead	S769	54.04	114.39		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.3
Sylvan Lk	S770	52.35	114.23		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.2
Marmot Ck Basin	S772	50.96	115.15		other	I	1992	na	na	na	na	na	na	na	-	-	0	3.4
Goodwin	S773	55.24	118.25		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.7
Kleskun	S774	55.29	118.46		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.7
Woking	S775	55.58	118.86		other	I	1992	na	na	na	na	na	na	na	-	-	0	4.7
Hythe	S778	55.40	119.73		other	I	1992	na	na	na	na	na	na	na	-	-	0	4.9
Consort	S779	52.09	110.85		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.7
Wainwright Airport	S781	52.80	110.85		other	I	Sep-94	na	na	na	na	na	na	na	-	-	0	6.2
Botanic Gardens	S782	53.41	113.76		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.7
Hubbles Lk	S783	53.58	114.11		other	I	1992	na	na	na	na	na	na	na	-	-	0	6.7
Gull Lk	S784	52.63	114.05		other	I	1992	na	na	na	na	na	na	na	-	-	0	7.5
Crestomere	S785	52.74	113.97		other	I	1992	na	na	na	na	na	na	na	-	-	0	6.0
Two Hills Farm	S787	53.65	111.82		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.5
Truman	S788	54.46	111.29		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.9
Rich Lk	S789	54.56	111.58		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.2
Sion	S790	53.91	114.10		other	I	Sep-94	na	na	na	na	na	na	na	-	-	0	5.3
Vermilion	S791	53.16	110.98		other	I	1992	na	na	na	na	na	na	na	-	-	0	5.1
Kirpatric Lk	S792	51.95	111.44		other	I	1992	na	na	na	na	na	na	na	-	-	0	6.0
Indian Cabins		59.85	117.09		other	I	-	na	na	na	na	na	na	na	-	-	0	4.9

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 100 m
SASKATCHEWAN																		
Echo Lake	#136-1	54.64	102.04	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.5
Near Northern Pine		54.45	109.88		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	4.7
Carson Lk		54.64	102.04		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	1.9
Riverhurst		50.88	106.86		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	3.9
Willovale		49.07	106.25		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	7.6
								na	na	na	na	na	na	na				
MANITOBA																		
Thompson	#138	55.73	97.77	202	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 0.5
Snow L.	#137-3	54.85	100.13	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.8
Snow L.	#137-1	54.89	99.97	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 1.6
Lynn L.	#149-	56.79	101.11	370	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 1.0
Fox Lake	#150-2	56.63	101.65	370	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 1.0
Fox Lake	#150-1	56.63	101.65	370	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.5
Near Pinawa		50.20	95.92		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	4.3
Manasan Falls		55.73	97.77		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	1.0
Fraser Lk.		56.79	101.12		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	0.9
Boundary Ck		49.02	100.55		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	7.5
Kent Lk.		49.56	99.84		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	7.7
ONTARIO																		
Otoskwin R.	#15	51.83	89.60	340	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 2.5
Kapuskasing	#12	49.42	82.38	230	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 5.2
Cochrane	#11	49.10	80.94	250	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 6.2
Mariner	#126	50.03	84.28	151	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 3.5
Minchin L.	#16	50.71	89.60	395	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 4.5
English R.	#17	49.64	91.32	420	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 5.2
Hearst	#13	49.69	83.54	260	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 5.5
Red Lake	#83	51.00	94.20	400	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 3.4
Near Minchin Lk.		50.71	90.48		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	3.8
Near Coulson Lk		48.90	91.70		other	I	1994	na	na	na	na	na	na	na	-	-	0.0	4.2
QUEBEC																		
Asbestos Hill -8	# 114	61.83	73.95	472	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-5.5
Asbestos Hill -7	# 114	61.82	73.96	420	EPB	I	30-08-78	na	na	na	na	na	na	na	-	-	0.0	?
Asbestos Hill -3	# 114	61.82	73.96	420	EPB	I	09-12-74	na	na	na	na	na	na	na	-	-	0.0	</= -4.7
Asbestos Hill -6	# 114	61.82	73.96	420	EPB	I	30-08-78	na	na	na	na	na	na	na	-	-	0.0	?
Asbestos Hill -1	# 114	61.82	73.97	463	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	-8.0
Asbestos Hill -2	# 114	61.80	73.97	465	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -7.9
Kenty Lake -1	# 283	61.49	74.44	490	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= -5.7
Neison I	#52	55.40	77.68	3	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 0.8
Merrill I.	#69	49.89	74.35	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 3.6
Mont Jacques-Cartier	-	48.93	65.92	1268	DBR	I	1977-1979	-3.0	na	na	na	na	62.5	na	-	260 - 290 days	0.0	</= -1.0
Great Whale River Basin	GB - 2	55.17	74.92	320	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	75.0	November-May	0.0	1.3
Great Whale River Basin	GB - 3	54.88	74.33	384	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	50.0	November-May	0.0	0.7

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 100 m
Great Whale River Basin	GB - 1	55.42	77.33	200	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	15.0	November-May	0.0	-2.7
Great Whale River Basin	GB - 2	55.17	74.92	290	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	75.0	November-May	0.0	1.4
Great Whale River Basin	GB - 1	55.42	77.33	190	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	15.0	November-May	0.0	-1.9
Great Whale River Basin	Domanchin	55.50	77.25	140	other	I	1980-1981	-5.3	na	na	na	na	257.0	na	60.0	November-May	0.0	0.9
La Grande -2	#3	53.44	77.62	152	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	2.9
La Grande -2	#4	53.43	77.58	153	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	3.6
La Grande -2	#1	53.44	77.53	155	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	4.6
La Grande -2	#2	53.44	77.53	155	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	4.3
La Grande -2	#5	53.43	77.58	157	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	2.6
La Grande -2	#6	53.76	77.51	162	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	1.5
La Grande -2	#7	53.51	77.71	152	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	1.8
La Grande -2	#8	53.51	77.71	152	other	I	1979-1980	-3.7	na	na	na	na	na	na	-	-	0.0	3.3
NEWFOUNDLAND																		
Baie Verte	#152-1	49.91	56.06	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 4.5
Baie Verte	#152-2	49.91	56.06	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 4.6
Baie Verte	#152-3	49.90	56.07	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 4.1
Labrador City	#111	52.95	66.92	-	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 0.9
Buchans	#113-2	48.85	56.84	271	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 5.2
Buchans	#113-1	48.83	56.90	288	EPB	I	-	na	na	na	na	na	na	na	-	-	0.0	</= 6.2

EXTRAPOLATED MEAN ANNUAL GROL

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
NORTHWEST TERRITORIES/NUNAVUT																															
Arctic Islands																															
Eastern Melville Is	-	-																													na
Neil 0-15	# 197	-9.6	25.0	-9.4	50.0	-8.9	75.0	-8.9	100.0	-8.9	150.0	-8.4	200.0	-7.7	300.0	-5.8	400.0	-3.5	600.0	0.9	725.0	4.6									na
Gemini E-10	# 175	-18.3	25.0	-19.8	50.0	-16.5	75.0	-15.8	100.0	-15.3	150.0	-13.3	200.0	-10.6	300.0	-6.1	400.0	-2.8	600.0	5.6	800.0	14.8									na
Fosheim N-27	# 97	-19.7	32.0	-14.9	62.5	-12.7	93.0	-6.4	123.4	-8.5	153.9	-7.3	214.9	-1.2	245.4	-1.7	275.8	0.9	306.3	0.3	336.8	0.2	367.3	7.4							na
Mokka A-02	# 166	-16.1	15.2	-15.5	30.5	-14.8	45.7	-14.5	61.0	-14.6	76.2	-14.2	91.4	-14.1	106.7	-13.5	152.7	-11.0	198.1	-9.9	320.0	-7.0	442.0	-2.2							na
Louise Bay 0-25	# 169	-	50.0	-12.1	75.0	-10.6	100.0	-9.0	150.0	-5.9	200.0	-3.2	300.0	3.0	400.0	9.2	500.0	15.0	600.0	22.3	650.0	26.3									na
Dome Bay P-36	# 171	-	30.3	-14.3	60.3	-14.3	90.3	-14.4	120.0	-14.5	150.0	-14.5	210.0	-13.9	300.0	-12.9	390.3	-11.1	510.0	-7.0	570.0	-4.4									na
Kristoffer Bay B-06	# 155	-	25.0	-17.1	50.0	-15.5	75.0	-14.4	100.0	-13.5	150.0	-11.5	200.0	-10.0	300.0	-6.2	400.0	-2.5	600.0	8.7	800.0	17.4									na
Thor P-38	# 170	-	25.0	-16.7	50.0	-15.7	75.0	-14.8	100.0	-13.9	150.0	-11.5	200.0	-8.8	300.0	-2.1	400.0	3.7	550.0	10.9											na
Hoodoo Dome H-37	# 86	-	25.0	-16.7	50.0	-15.0	75.0	-13.1	100.0	-11.3	150.0	-8.5	200.0	-5.4	300.0	-0.4	400.0	4.8	500.0	7.2	575.0	8.7									na
Brock I-20	# 158	-	25.0	-17.3	50.0	-15.8	75.0	-14.9	100.0	-13.3	150.0	-10.3	200.0	-7.3	300.0	-4.5	400.0	-1.2	500.0	3.9	600.0	10.4	675.0	15.0							na
Wilkins E-60	# 87	-	16.2	-12.3	31.4	-11.2	92.4	-10.1	122.8	-8.8	153.3	-7.3	214.3	-4.2	305.7	3.1	397.2	8.1	519.1	13.0	580.0	16.0									na
Linckens Island P-46	# 195	-	30.5	-15.5	45.7	-12.9	61.0	-11.6	76.2	-10.7	91.4	-10.1	106.7	-9.2	152.4	-5.8	198.1	-2.3	304.8	1.7	396.2	4.1	518.2	6.5							na
Sutherland 0-23	# 256	-17.4	25.0	-16.5	50.0	-15.3	75.0	-14.8	100.0	-13.5	150.0	-10.5	200.0	-6.6	300.0	-0.9	400.0	4.2	450.0	5.1											na
Cornwall 0-30	# 291	-	15.8	-13.8	31.3	-13.1	62.6	-12.0	94.9	-10.6	124.3	-9.0	155.0	-7.2	217.-3.4	294.5	-1.0	403.3	2.8	496.3	4.3										na
Pat Bay A-72	# 258	-	25.0	-16.2	50.0	-15.8	75.0	-15.3	100.0	-14.8	150.0	-14.0																			na
Jameson Bay C-31	# 91	-	50.0	-15.4	75.0	-14.8	100.0	-14.2	150.0	-11.9	200.0	-8.1	300.0	-3.4	400.0	-1.9	600.0	2.5	675.0	5.2											na
Drake E-78	# 199	-	25.0	-13.4	50.0	-11.1	75.0	-9.0	100.0	-6.7	150.0	-1.9	200.0	2.5	250.0	5.2															na
Drake D-68	# 198	-	50.0	-13.0	75.0	-9.3	100.0	-5.9	150.0	-3.5	200.0	-4.4	300.0	2.6	400.0	7.2	500.0	11.1	575.0	14.6											na
Drake B-44	# 172	-	25.0	-14.3	50.0	-12.4	75.0	-10.5	100.0	-8.3	150.0	-3.4	200.0	1.1	300.0	6.4	325.0	7.4													na
Drake D-73	# 259	-	25.0	-15.8	50.0	-14.7	75.0	-13.6	100.0	-12.3	150.0	-9.6	200.0	-6.6	300.0	0.8	375.0	4.7													na
Bent Horn N-72	# 196	-17.3	50.0	-15.8	75.0	-15.3	100.0	-14.7	150.0	-13.5	200.0	-12.0	300.0	-8.7	400.0	-6.3	600.0	-2.3	800.0	2.0											na
Bent Horn F-72A	# 286	-16.8	25.0	-12.1	50.0	-14.8	75.0	-14.6	100.0	-14.2	150.0	-12.6	200.0	-11.0	300.0	-8.1	400.0	-5.7	600.0	-1.7	800.0	2.9									na
Hecla I-69	# 200	-	50.0	-10.8	75.0	-7.4	100.0	-4.8	150.0	0.6	200.0	4.1	300.0	9.0	400.0	12.4	600.0	17.4	650.0	18.2											na
Pedder Point D-49	# 257	-	50.0	-14.2	75.0	-13.0	100.0	-11.7	150.0	-9.5	200.0	-6.5	300.0	-2.0	400.0	2.2	500.0	7.0	550.0	9.6											na
Little Cornwallis PG-10-77	#214	</=-5.49	83.8	-4.1	91.4	-4.0	99.1	-3.9	106.7	-3.7	114.3	-3.6	121.9	-3.5	129.5	-3.4	137.2	-3.2	144.8	-3.1	152.4	-3.0									na
Polaris -1	# 157	-	14.3	-14.7	44.8	-13.0	75.3	-11.8	105.8	-10.8	136.2	-9.9	166.7	-9.1	197.2	-8.2															na
Polaris -2	# 157	-	33.5	-10.5	48.8	-8.8	64.0	-7.5	79.2	-5.9	94.5	-5.5	125.0	-5.0	140.2	-4.7	155.4	-4.0	170.7	-3.9	185.9	-3.8	201.2	-3.7	216.4	-3.8	231.6	-4.4			na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Polaris -3	# 157	-	0.0	-14.7	15.2	-13.7	45.7	-12.7	76.2	-11.7	106.7	-10.6	137.2	-10.1	167.6	-9.2	198.1	-8.5	228.6	-7.9	259.1	-7.3									na
Polaris -4	# 157	-	15.2	-15.6	30.5	-13.7	61.0	-13.1	91.4	-11.7	121.9	-8.7	152.4	-7.9	182.9	-6.6	213.4	-5.7	243.8	-3.8	274.3	-3.1									na
Polaris -5	# 157	-	12.2	-15.9	27.4	-14.7	57.9	-14.1	88.4	-10.6	118.9	-9.7	149.4	-9.4	179.8	-9.2	210.3	-9.4	240.8	-5.8	271.3	-6.4									na
Polaris -6	# 157	</=-1.7	9.1	-1.6	43.0	-1.2	115.8	-0.6	152.4	0.2																					na
Polaris - 7	#157	</=-2	10.7	-1.9	93.9	-5.2	137.2	-4.2	190.5	0.6	238.7	0.6	355.7	1.7																	na
Polaris -8	#157		236.2	-5.3	239.6	-5.4	242.9	-5.3	246.3	-5.0	249.6	-4.6	253.0	-4.4	256.3	-4.1	259.7	-3.8	263.3	-3.5	266.7	-3.1									na
Polaris -9	#157		11.0	-1.6	61.0	-1.2	91.4	-6.4	121.6	1.7																					na
Polaris - 10	#157	</=-7.7	30.5	-7.1	61.0	-6.4	91.4	-5.3	121.9	-4.8	153.0	-4.5																			na
Polaris - 11	#157		48.5	-6.1	123.1	-3.6																									na
Devon E-45	# 99	-14.8	25.0	-14.4	50.0	-14.0	75.0	-13.7	100.0	-13.4																					na
Winter Harbour	# 73	-	39.9	-14.9	79.9	-14.3	125.0	-13.5	175.0	-11.3	224.9	-9.0	280.1	-6.8	339.9	-3.7	405.1	-2.2	534.9	0.0	605.0	2.4									na
Resolute 1	-	-	15.2	-12.2	30.5	-13.1	45.7	-13.0	61.0	-12.6	76.2	-12.1	91.4	-11.6	106.7	-11.0	152.4	-9.3	198.1	-7.4											na
Lobitos Resolute L-41	# 55	-	50.0	-14.4	100.0	-13.3	150.0	-12.4																							na
Dundas C-80	# 168	-15.6	25.0	-14.9	50.0	-14.6	75.0	-14.1	100.0	-13.5	150.0	-11.6	200.0	-10.5	300.0	-7.9	400.0	-5.3	600.0	0.9											na
Garnier O-21	# 92	-	15.2	-0.2	30.5	-0.2	61.0	-0.4	91.4	-0.4	121.9	-0.4	152.4	-0.4	213.4	-0.5	304.8	-0.5	396.2	-0.6	518.2	1.1	609.6	1.2							na
Storkerson Bay A-15	# 98	-	36.6	-12.8	67.1	-12.6	97.5	-12.3	128.0	-11.8	158.5	11.0	219.5	-9.3	310.9	-7.2	371.9	-5.8													na
Rowley M-04	# 95	-9.2	25.0	-8.5	50.0	-8.2	75.0	-7.9	100.0	-7.5	150.0	-6.2	200.0	-4.7	300.0	-1.8	400.0	0.0	425.0	0.9											na
Resolute Bay NWT		-15	15.2	-12.2	30.5	-13.1	45.7	-13	61	-12.6	76.2	-12.1	91.4	-11.6	106.7	-11	121.9	-10.4	137.2	-9.9	152.4	-9.3	167.6	-8.6	182.9	-8.1	198.1	-7.4			na
Polar Gas PG-9A-77	#214-7		83.8	-5.37	91.4	-5.02	99.1	-4.718	106.7	-4.33	121.9	-3.42	152.4	-2.05																	na
Assistance Bay PG-7-77	#214-6		15.2	-13.3	18.3	-12.2	22.9	-11.03	30.5	-10.5	53.3	-9.44	68.6	-8.88	99.1	-6.57	121.9	-6.02													na
Agassiz Ice Cap 1977 hole	#606-1	</= -24.4	1.2	-21.6	10.5	-20.3	29.8	-20.34	50.7	-20.8	75.1	-23.6	100.6	-23.1	150	-22.1	200	-21	300	-17.9	335.4	-16.8									na
Agassiz Ice Cap 1984 hole	#606-2		0.7	-21.2	5.4	-20.5	10	-19.72	15.2	-19.7	20.4	-19.7	25.4	-19.8	50.4	-19.9	75.5	-19.8	100.1	-19.6	125.3	-19.1									na
Marryatt K-71	#299	-19.3	5.3	-17.5	10.3	-17	24.9	-15.78	49.9	-14.8	75.3	-14.2	99.8	-13.8	125.3	-12.9	150.2	-11.7	200.4	-8.72	249.9	-5.77	299.8	-3.18	339.9	-1.59					na
Polar Gas	PG-7-76		15	-13.4	23	-12.3	30	-11.62	61	-9.67	69	-9.8	76	-8.94	84	-8.47															na
Polar Gas	PG-11-76		11	-15.8	17	-13.9	24	-13.31	32	-12.9	40	-12.5	40	-12.5	44	-12.3															na
Rea Pt	Telsat 1		15	-15	23	-14.9	30	-15	38	-14.9	46	-14.9	52	-15																	na
Rea Pt	Telsat 2		15	-15.2	30	-15.1	46	-15	52	-15																					na
Mackenzie Delta Region																															
Kimik D-29	# 261	-	50.0	-8.9	75.0	-7.9	100.0	-7.7	150.0	-7.3	200.0	-6.8	300.0	-5.5	400.0	-4.2	475.0	-3.1													na
Ivik J-26	# 266	-	50.0	-9.5	75.0	8.1	100.0	-8.0	125.0	-7.7	150.0	-7.3	175.0	-6.8	200.0	-6.1	225.0	-7.1	250.0	-5.4	275.0	-5.2									na
Atertak F-41	# 262	-	50.0	-9.3	75.0	-7.2	100.0	-6.8	150.0	-5.8	200.0	-5.2	300.0	-3.4	400.0	-1.8	475.0	-1.1													na
Kilagmiotak F-48	# 165	-8.7	25.0	-7.5	50.0	-7.8	75.0	7.4	100.0	-7.1	150.0	-6.5	200.0	-5.8	300.0	-4.6	325.0	-4.4													na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Pikiolik M-26	# 263	-	19.6	-7.73	44.8	-7.58	60	-7.4	90.8	-7.07	121.3	-6.73	152.1	-6.03	213.1	-4.23	305.1	-1.41	397.8	1.3	490.4	4.5	552.0	6.3							na
Malik A-06	# 265	-	13.7	-7.9	29.3	-7.2	59.4	-6.9	89.9	-6.4	108.2	-4.8																			na
Adgo P-25	# 255	-	3.4	-0.5	23.2	2.7	43.0	2.9	62.8	3.2	82.6	3.7	102.4	3.9	142.0	4.5	201.5	5.3	300.5	6.6	399.6	8.3	498.7	10.5	558.1	11.9					na
Taglu D-55	# 269	-	50.0	-3.9	75.0	-2.8	100.0	-1.5	150.0	-1.3	200.0	-1.4	300.0	-1.3	350.0	-1.2															na
Garry P-04	# 288	-	30.2	-3.7	61.0	-3.1	91.7	-2.4	152.4	-2.2	213.4	-2.2	304.5	-2.3	396.2	-2.0	502.9	0.1	609.6	2.8	762.0	7.2									na
Taglu H-54	# 287	-	50.0	-4.0	75.0	-2.0	100.0	-1.4	150.0	-0.5	200.0	-0.5	300.0	-0.7	400.0	-0.9	600.0	1.5	700.0	1.9											na
Pikiolik E-54	# 264	-	50.0	-9.8	75.0	-7.6	100.0	-7.6	150.0	-6.3	200.0	-4.8	300.0	-2.4	400.0	-6.2	475.0	1.4													na
Taglu N-43	# 282	-	25.0	-4.7	50.0	-3.7	75.0	-2.6	100.0	-1.8	125.0	-1.2	150.0	-1.0																	na
Taglu D-43	# 268	-	25.0	-5.8	50.0	-5.6	75.0	-4.9	100.0	-4.1	150.0	-3.3	200.0	-2.8	300.0	-2.0	400.0	-1.7	475.0	-1.2											na
Taglu C-42	# 267	-	25.0	-2.0	50.0	-0.2	75.0	-0.9	100.0	-0.6	150.0	-0.7	200.0	-0.7	300.0	-1.0	400.0	-1.3	500.0	-1.0	55.0	-0.5									na
Niglintgak H-30	# 173	-	25.0	-2.8	50.0	-2.0	75.0	-1.3	100.0	-0.8	150.0	0.1	200.0	1.1	250.0	1.7															na
Niglintgak M-19	# 270	-	30.5	0.4	61.0	-1.0	91.1	0.7	121.9	3.0	152.4	3.2	218.4	4.1	304.5	6.0	396.2	7.4	517.9	7.6	609.9	7.8									na
Niglintgak B-19	# 278	-	25.0	-4.1	50.0	-2.6	75.0	-1.6	100.0	-0.9	150.0	-0.3	200.0	0.5	300.0	2.5	375.0	4.2													na
Kumak E-58	# 280	-	25.0	-3.4	50.0	-2.1	75.0	-1.0	100.0	-0.6	150.0	-1.0	200.0	-0.8	300.0	0.6	400.0	2.6	600.0	6.0	750.0	8.9									na
Ya Ya A-28	# 254	-8.3	50.0	-7.0	75.0	-7.6	100.0	-7.1	150.0	-6.8	200.0	-5.6	300.0	-4.6	400.0	-3.1	500.0	-1.9	600.0	-0.9											na
Ya Ya P-53	# 176	-	25.0	-7.4	50.0	-7.0	75.0	-6.5	100.0	-5.9	150.0	-4.9	200.0	-4.1	300.0	-2.6	400.0	-0.9	575.0	3.6											na
North Ellice J-23	# 271	-	25.0	-3.3	50.0	-1.5	75.0	0.1	100.0	1.6	150.0	4.6	200.0	7.0	300.0	9.9	400.0	12.0	425.0	12.4											na
Unipkat I-22	# 167	-4.1	25.0	-2.4	50.0	-1.3	75.0	-0.5	100.0	0.7	150.0	2.9	200.0	5.1	300.0	8.4	400.0	10.9	600.0	15.6	725.0	18.5									na
Red Fox P-21	# 260	-	25.0	-4.4	50.0	-5.2	75.0	-5.2	100.0	-4.4	150.0	-3.2	200.0	-2.4	300.0	-2.0	400.0	-1.3													na
Reindeer D-27	# 63	-	18.3	-7.3	48.8	-6.1	79.2	-5.6	109.7	-4.7	140.2	-4.2	201.2	-3.2	292.6	-1.2	414.5	1.1	506.0	3.4	597.4	5.9									na
Titalik K-26	# 177	-	14.9	0.5	30.1	-0.1	44.7	-0.2	59.6	-0.2	74.6	0.8	89.8	2.3	104.4	2.9	149.4	4.3	198.9	5.8											na
Reindeer F-36	# 179	-	25.0	-7.3	50.0	-6.9	75.0	-6.5	100.0	6.3	150.0	-5.5	200.0	-4.0	300.0	-1.4	325.0	-0.8													na
Siku A-12	# 277	-5.1	25.0	-7.2	50.0	-5.4	75.0	-5.0	100.0	-4.9	150.0	-3.9	200.0	-3.1	300.0	-1.0	400.0	1.1	475.0	3.3											na
Siku E-21	# 284	-5.9	25.0	-6.9	50.0	-5.8	75.0	-5.2	100.0	-4.9	150.0	-4.4	200.0	-3.8	300.0	-2.2	400.0	0.1	425.0	0.7											na
Siku C-11	# 274	-	25.0	-4.9	50.0	-5.1	75.0	-5.3	100.0	-4.9	150.0	-4.5	200.0	-4.0	300.0	-1.3	400.0	0.7	500.0	4.0											na
Parsons N-10	# 178	-	25.0	-5.8	50.0	-5.2	75.0	-4.8	100.0	-4.3	150.0	-3.3	200.0	-2.2	300.0	-0.8	400.0	1.5	600.0	6.8											na
Parsons D-20	# 285	-7.5	50.0	-6.6	75.0	-6.3	100.0	-6.0	150.0	-5.3	200.0	-4.4	300.0	-1.1	400.0	1.1	600.0	6.9	700.0	9.6											na
Kamik D-48	# 273	-8.4	50.0	-7.4	75.0	-6.9	100.0	-6.7	150.0	-5.7	200.0	-4.2	275.0	-2.5																	na
Atigi O-48	# 194	-7.2	25.0	0.0	50.0	-2.0	75.0	-5.3	100.0	-6.3	150.0	-6.0	200.0	-5.4	300.0	-4.5	400.0	-3.5	500.0	-1.7	575.0	-0.2									na
Parsons N-17	# 275	-1.9	50.0	-1.8	75.0	-2.6	100.0	-2.0	150.0	-3.6	200.0	-2.7	300.0	-0.6	400.0	1.4	600.0	7.1													na
Parsons L-37	# 279	-	25.0	-6.0	50.0	-5.6	75.0	-4.9	100.0	-4.2	150.0	-2.9	200.0	-1.8	275.0	-0.4															na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Kugpik O-13	# 192	-3.4	25.0	-2.3	50.0	-1.2	75.0	-0.6	100.0	0.2	150.0	2.3	200.0	3.7	300.0	7.2	400.0	9.8	600.0	14.9	725.0	18.1									na
Parsons L-43	# 272	-8.4	25.0	-6.3	50.0	-6.5	75.0	-5.7	100.0	-5.0	150.0	-3.2	200.0	-1.7	300.0	0.1	400.0	3.1	600.0	9.9	750.0	14.2									na
Ikhil I-37	# 193	-6.8	25.0	1.1	50.0	-4.1	75.0	-5.7	100.0	-5.4	150.0	-4.8	200.0	-3.7	300.0	-0.7	400.0	1.5	500.0	5.1	600.0	8.8									na
Ulu A-35	# 276	-	25.0	-1.2	50.0	-1.7	75.0	-1.1	100.0	0.7	150.0	3.2																			na
Beaver House H-13	# 89	-	50.0	-5.7	75.0	-5.2	100.0	-4.5	150.0	-2.3	200.0	0.1	300.0	5.0	400.0	7.8	600.0	15.5	800.0	23.4	1150.0	32.0									na
Tuktoyaktuk	Atkinson Point nearest to shore	-	7.6	-9.7	15.3	-9.6	22.9	-9.3	30.5	-9.3																					na
Tuktoyaktuk	Atkinson Point farthest from shore	-	4.6	-9.8	15.3	-9.9	22.9	-9.4	30.5	-9.3	38.1	-9.4	45.7	-9.4	53.3	-9.4	61.0	-9.4													na
Tuktoyaktuk	Liverpool near shore	-	7.6	-8.4	15.3	-8.6	22.9	-8.0	30.5	-7.7																					na
Tuktoyaktuk	Liverpool	-	7.6	-8.6	15.3	-8.9	22.9	-8.4	30.5	-8.3	45.7	-8.2	53.3	-8.1	61.0	-7.7															na
South Mackenzie Delta	#1	-	10.7	-2.5	18.3	-1.7																									Heaths,mosses, scattered spruces,willow, alder
South Mackenzie Delta	#2	-	10.7	-3.3	18.3	-2.5																									Heaths,mosses, scattered spruces,willow, alder
South Mackenzie Delta	#3	-	10.7	-3.2	18.3	-2.2																									Heaths,mosses, scattered spruces,willow, alder
South Mackenzie Delta	#4	-	10.7	-2.5	18.3	-1.9	33.5	-1.9	48.8	-1.4	61.0	-1.1	79.3	-0.6																	Heaths,mosses, scattered spruces,willow, alder
South Mackenzie Delta	#5	-	10.7	-4.2	18.3	-3.5																									Heaths,mosses, scattered spruces,willow, alder
South Mackenzie Delta	#6	-	10.7	-3.6	18.3	-2.2																									Heaths,mosses, scattered spruces,willow, alder
Illisarvik Lake	250m inland	-																													na
Illisarvik Lake	Shoreline	-																													na
Inuvik 5 mi SW	no. 3	-																													White spruce, moss cover
Inuvik 5 mi SW	no. 4	-																													White spruce, moss cover
SW of Tuktoyaktuk	Near lake		7.62	-8.9	15.25	-8.4	22.86	-8.1	30.48	-7.9	38.1	-7.78	45.72	-7.78	53.34	-7.64	60.96	-7.5													na
Ellice Is. #1	30 m from channel		3.05	0	7.62	-0.3	9.14	-0.4	12.19	-0.6	16.76	-0.69	21.34	-0.83	25.91	-0.97															na
Ellice Is. #2	20 m from channel		1.52	-0.83	6.09	-0.83	10.67	-0.83	19.81	-1.17	24.38	-1.28	28.96	-1.39																	na
Ellice Is. #3	9 m from channel		7.62	-3.6	13.72	-2.3	21.34	-2	28.96	-1.8	36.57	-1																			na
Ellice Is. #4	8 m from channel		3.05	-3.8	7.62	-2.9	12.19	-2.3	16.76	-1.94	21.34	-1.8	25.91	-1.67	30.48	-1.53															na
Ellice Is. #5	3 m from channel		4.57	-4.5	9.14	-3.6	13.72	-2.5	18.29	-2.2	22.86	-2.22	27.43	-1.94	32	-1.8															na
Amauligak	#601	</= -1.78	21.5	-1.7	68.5	-2.1	89.0	-2.1	111.5	-2.2	134.0	-2.3	156.5	-2.3	179.0	-2.3	201.5	-2.4	224.0	-2.4	246.5	-2.3	269.0	-2.4	291.5	-2.4	314.0	-2.5	336.5	-2.3	na
Isserk Geotechnical Hole	#602		7.5	-9.7	10.0	-1.1	12.5	-1.2	15.0	-1.2	17.5	-1.2	20.0	-1.3	22.5	-1.3	25.0	-1.2	27.5	-1.3	30.0	-1.3	32.5	-1.4							na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Taglu	92GSCTaglu	-6.3	7.2	-10.3	12.2	-7.4	17.2	-6.4	22.2	-6.1	52.2	-5.1	74.7	-4.4	99.7	-3.8	149.7	-3.1	199.7	-2.4	283.8	-2.3	327.5	-2.1	396.3	-1.5					low shrub tundra
Kumak	92GSCKumak	-3.3	11.5	-3.8	17.0	-3.7	22.5	-3.6	28.0	-3.4	33.5	-3.1	39.0	-2.9	99.5	-1.0	127.0	-1.5	149.0	-1.4	182.0	-1.4									low shrub tundra and grass
Unipkat	92GSCUnipkat		9.0	-0.4	17.0	-0.6	42.0	-1.2	44.0	-1.2	50.0	-1.2	60.0	-0.8	69.0	-0.6															thickly vegetated, willows
Tuktoyaktuk	208-7		8.7	-4.7	11.7	-5.5	14.8	-5.5	17.8	-5.7	20.9	-6.0																			
Other NWT																															
Arctic Red River site	-	-	6.1	-3.1	9.1	-4.6	12.2	-4.6	15.2	-4.0	22.6	-3.3	38.4	-2.8	45.7	-2.2	29.0	-1.7	61.0	-1.4											Birch, Willow, Alder
Fort McPherson site	-	-	7.3	-2.6	15.2	-2.9	30.5	-3.1	45.7	-2.1	61.0	-1.9																			Tundra Communities
Horton River G-02	# 77	-	25.0	-7.8	50.0	-6.7	75.0	-5.2	100.0	-3.3	150.0	0.8	200.0	4.9	300.0	10.6	350.0	13.0													na
Sadcne D-02	# 281	-3.9	75.0	-2.9	100.0	-2.7	125.0	-2.2	150.0	-1.8	175.0	-1.6	200.0	-1.3																	na
Kugaluk N-02	# 76	-	50.0	-2.1	100.0	-0.1	150.0	1.5	200.0	3.0	300.0	5.6	400.0	8.1	500.0	10.8	600.0	13.6	650.0	14.9											na
Tedji Lake K-24	# 253	-2.5	25.0	-3.7	50.0	-2.8	75.0	-2.1	100.0	-2.0	150.0	-1.6	200.0	-1.4	300.0	-0.8	400.0	-0.3	475.0	0.3											na
Muskox North		0.4	30.5	2.2	61.6	1.2	91.6	0.7	121.9	0.1	152.4	0.1	213.4	0.0	304.8	0.7	396.2	2.1	518.2	4.3	609.3	6.3	792.5	10.8	1036.3	17.4					na
Muskox South		-	20.7	-6.9	51.2	-4.5	81.7	-3.2	112.2	-1.8	142.6	-0.5	203.6	1.5	295.0	3.9	417.0	7.1	599.8	10.8	813.2	14.5	1042.4	17.9							na
Hackett River 190-1	# 190	-	13.1	-7.6	26.1	-7.3	39.0	-7.4	51.7	-7.3	64.3	-7.2	76.7	-7.3	89.0	-7.2	101.3	-7.1	125.7	-7.1	149.8	-6.7	173.7	-6.7							na
Hackett River 190-2	# 190	-	12.3	-7.7	24.4	-7.1	36.1	-7.4	47.6	-7.3	58.7	-7.4	69.4	-7.3	79.9	-7.3	90.0	-7.2	109.5	-7.2	128.0	-721.0	145.9	-6.9							na
Hume River D-53	# 100	-	50.0	0.6	100.0	2.8	150.0	5.9	200.0	8.7	250.0	11.1																			na
West Whitefish H-34	# 151	-	50.0	-2.0	75.0	-1.3	100.0	-0.3	150.0	1.2	200.0	2.9	300.0	5.7	350.0	7.1															Low, scrubby bush
Norman Wells Canol 30x	# 88	-	0.0	-8.3	30.5	-4.4	61.0	-4.4	91.4	-3.2	121.9	-1.3	152.4	0.5	213.4	4.8	304.8	11.5	381.0	16.2											na
Norman Wells Canol 19x	# 88	-	61.0	0.2	91.4	1.4	121.9	2.8	152.4	4.7	182.9	6.3	213.4	8.3	304.8	14.7	396.2	19.2													na
Norman Wells Canol 18x	# 88	-	0.0	-4.1	30.5	-2.3	61.0	-0.9	91.4	0.3	121.9	2.3	152.4	3.9	213.4	7.8	304.8	13.6	396.2	17.4											na
Norman Wells Canol 7x	# 88	-	0.0	-6.6	30.5	-4.1	61.0	-3.7	91.4	-2.3	121.9	-0.2	152.4	1.1	213.4	5.7	304.8	12.0	411.5	17.2											na
Norman Wells Canol 33x	-	-	137.2	4.6	182.9	7.3	213.4	9.2	243.8	12.2	276.1	13.1	307.5	16.2	373.4	20.2	408.4	21.6													na
Norman Wells Bear I 13	# 88	-	0.0	-4.1	30.5	-1.9	61.0	-0.3	91.4	1.4	121.9	3.2	152.4	4.6	213.4	7.4	304.8	14.4	396.2	22.2	487.7	27.2	579.1	29.8							na
Norman Wells Bear I 7	# 88	-	0.0	-3.8	30.5	-1.3	61.0	0.3	91.4	2.4	121.9	4.2	152.4	5.3	213.4	7.8	304.8	13.0	396.2	22.8	487.7	27.6	579.1	30.2							na
Dahadinni M-43A	# 94	-	50.0	-0.1	75.0	1.1	100.0	2.2	125.0	3.5	150.0	4.7	175.0	6.2	200.0	7.7	225.0	8.8													na
Yellowknife	# 66	-	7.6	2.2	15.2	1.9	23.2	2.2	46.0	3.0	92.0	4.4	122.8	5.0	153.6	5.6	214.9	6.4	307.2	7.5	399.3	8.7	491.3	9.8	614.2	11.5	798.6	14.0	921.4	15.8	na
Providence A-47	# 70	-	50.0	1.8	100.0	5.1	150.0	8.8	200.0	12.8	250.0	16.5	300.0	20.3	350.0	22.9	400.0	24.7	450.0	25.9											na
Cameron B-13	# 293	-	30.8	3.9	46.2	4.6	61.6	5.3	77.0	5.7	92.4	6.3	107.7	6.8	153.9	8.6	171.5	9.1													na
Lac Cinquante -2	# 294	-	5.9	-1.3	11.7	-3.8	17.5	-3.8	23.3	4.0	58.4	-4.8	70.0	-4.8	105.1	-4.6	151.8	5.6	198.5	-5.0	233.5	4.3									na
Lac Cinquante -1	# 294	-	5.4	3.2	10.8	-0.8	16.2	-1.1	21.5	-1.4	32.3	-2.2	53.9	-3.0	75.4	-2.7	97.0	-3.4													na
Cambridge	#65-2	</= -12.2																													na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Cambridge	#65-1	</= -12.1																													na
Norman Wells	Well 17	-1.7	1.52	-0.05	6.096	-1.33	10.36	-1.11	12.19	-1.22	16.46	-0.89	22.55	-0.78	28.65	-0.67	45.72	0.22													na
Norman Wells	Airport Rd 122 m from Mackenzie R.	-4.2	1.52	2	3.048	-1.94	6.096	-3.61	9.14	-3.89	18.29	-2.5	38.1	-1.11	60.96	-0.28															na
Norman Wells	Deadline Rd 1200 m from Mackenzie R.	-1.25	1.52	2.22	3.048	-0.55	6.096	-0.83	9.14	0	60.96	0.83																			na
Norman Wells	Well33	-2.6	1.52	-0.44	12.19	-2.28	18.29	-1.89	24.38	-1.89	30.48	-1.89	36.58	-1.44	42.67	-1.44	48.77	-1.22	54.86	-0.11	60.96	0	67.06	0.44	73.15	0.89					na
Norman Wells	Well 15	-3.1	1.52	-0.05	6.096	-1.11	12.19	-2.22	18.29	-2.22	24.38	-1.89	30.48	-1.11	36.58	-1.44	42.67	0	45.72	-1.11	48.77	0	54.86	0.28							na
Near Ft Providence																															na
Sapper Ranges																															na
Near Cameron Hill																															na
Near Cameron R.																															na
YUKON																															
North Cath B-62	# 62	</= -4.3	61.0	-1.5	152.4	3.3	243.8	8.0	335.3	12.6	426.7	16.1	518.2	19.5	609.6	22.6	701.0	25.9	792.5	29.2											na
MacMillan Pass -1	# 296	-	14.3	2.6	21.9	2.7	28.8	2.7	51.0	3.2	72.2	3.8	100.6	4.7	121.8	5.4	149.4	6.3													na
MacMillan Pass -2	# 296	-	22.3	2.0	29.7	1.9	51.6	2.0	74.2	2.3	103.2	2.8	124.3	3.2	145.8	3.6															na
MacMillan Pass -3	# 296	-	21.7	1.7	38.7	1.7	51.7	1.9	73.2	2.2	102.1	2.7	152.2	3.8	188.2	4.5															na
MacMillan Pass -4	# 296	-	14.9	4.3	22.3	4.5	51.6	5.6	73.8	6.3	102.6	7.1	152.8	8.6	187.9	9.4															na
MacMillan Pass -5	#296	-	22.7	1.7	37.8	1.8	53.1	2.1	74.5	2.5	103.4	3.2	124.9	3.6	152.7	4.3	173.0	4.8													na
MacMillan Pass -6	#296	-	19.4	1.8	26.2	1.8	32.7	1.9	38.9	2.0	45.4	2.1																			na
MacMillan Pass -7	#296	-	13.7	2.3	20.3	2.4	26.8	2.5	33.5	2.6																					na
MacMillan Pass -8	#296	-	12.6	3.7	19.4	3.9																									na
Howards Pass -1	# 290	-	16.0	2.2	30.0	2.2	45.0	2.2	61.0	2.4	75.0	2.7	89.0	2.9	104.0	3.1	118.0	3.3	132.0	3.5	146.0	3.8	161.0	4.0	175.0	4.2	189.0	4.4	218.0	5.0	na
Howards Pass -2	# 290	-	46.4	1.2	54.1	1.2	77.3	1.5	100.8	1.6	123.6	1.7	154.8	1.7	193.2	2.1															na
Red Mountain -1	# 289	-	50.0	1.3	75.0	1.5	100.0	1.7	150.0	2.6	200.0	3.7	300.0	5.7	400.0	7.8	475.0	9.3													na
Red Mountain -2	# 289	0.7	25.0	1.6	50.0	1.6	75.0	2.1	100.0	2.6	150.0	3.4	200.0	4.3	250.0	5.2	300.0	6.3													na
Red Mountain -4	# 289	-	25.0	1.4	50.0	1.9	75.0	2.3	100.0	2.7	150.0	3.6	200.0	4.5	300.0	6.5	400.0	8.6	500.0	10.8	600.0	12.7									na
Red Mountain -7	# 289	-	46.9	0.3	62.1	0.5	77.5	0.9	92.4	1.2	154.4	2.3	201.1	3.2	293.4	5.1	401.5	7.3	478.8	8.9											na
Red Mountain -8	# 289	-	30.9	0.3	46.3	0.0	61.8	0.6	77.5	0.9	93.0	1.1	154.7	2.3	201.1	3.2	308.9	5.5	401.5	7.3	447.9	8.3									na
Otter Creek -1	#297	-	20.1	1.4	26.8	1.5	33.5	1.6	40.2	1.7	53.6	2.0	73.7	2.5	86.8	2.9															na
Otter Creek -2	# 297	-	15.5	2.6	23.5	5.9	54.0	3.4	77.4	4.1	100.1	4.7	123.1	5.3	154.1	6.2	192.2	7.4													na
Otter Creek -3	# 297	-	30.9	2.1	54.4	2.6	77.6	3.2	100.5	3.9	154.5	5.3	201.2	6.5	270.8	8.5															na
Logtung -1	# 139	-	15.7	2.4	23.7	2.4	53.9	2.5	76.7	3.6	100.1	4.3	122.9	4.9	153.6	5.7															na
Logtung -2	# 139	-	60.4	1.2	75.5	1.5	90.2	1.7	107.5	1.8	120.7	2.5	150.6	3.2	195.9	4.3	218.8	5.0													na
Logtung -3	# 139	-	29.9	1.0	45.0	1.1	60.4	1.4	75.5	1.8	90.2	2.3	105.9	2.6	150.9	3.6	196.1	4.8													na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Logtung -4	# 139	-	22.6	0.9	29.9	1.0	52.5	1.2	75.8	1.6	105.9	2.6	150.2	3.8	186.8	5.0															na
B.R. Blow River	-	-4.1	30.5	-4.0	45.7	-3.3	76.2	-2.3	106.7	-1.8	167.6	-1.3	198.1	-0.6	228.6	0.0	350.5	3.3	396.2	5.1	502.9	8.5	548.6	10.5							na
Clinton Creek -1	#112	-	15.2	-0.1	30.5	0.0	45.7	-0.1	61.0	0.0	76.2	0.1	91.4	0.1	106.7	0.6	152.4	1.5													na
Whitehorse Copper -1	#122	-	15.2	1.2	30.2	1.4	61.3	2.3	107.6	3.5	153.9	4.7	199.3	5.8	307.8	8.5	399.9	10.5	476.4	12.3											na
Whitehorse Copper -2	#122	-	29.4	2.8	44.2	3.1	58.6	3.3	88.3	3.8	102.7	4.1	147.2	5.1	191.4	6.1	212.9	6.6													na
Whitehorse Copper -3	#122	-	13.2	4.5	26.4	1.8	52.8	2.2	79.2	2.6	105.9	3.2	145.2	3.9	198.0	5.0	303.6	7.2	335.8	7.9											na
Kay Point -1	#205	-	0.5	-16.6	1.5	-14.6	3.0	-13.1	6.0	-9.1	9.0	-8.8	12.0	-8.7	15.0	-8.7	24.0	-8.6	51.0	-8.7	60.0	-8.7									na
Kay Point -2	#205	-	0.5	-8.4	1.5	-8.7	3.0	-10.7	6.0	-11.3	9.0	-10.1	12.0	-9.4	15.0	-9.2	24.0	-8.9	51.0	-8.7	60.0	-8.7									na
Kay Point -3	#205	-	4.6	-12.4	6.1	-12.4	9.1	-11.0	12.2	-9.9	15.2	-9.5	16.3	-9.1	21.3	-8.9	24.4	-8.8	27.4	-8.7	30.2	-8.7									na
Kay Point -4	#205	-	6.1	-10.4	8.8	-9.8	12.2	-9.1	15.2	-8.8	18.3	-8.6	21.0	-8.5																	na
Kay Point -5	#205	-	6.1	-9.9	7.6	-10.1	9.1	-9.8	10.7	-9.5	12.2	-9.2	13.7	-9.0	14.9	-8.7	18.3	-8.4	21.3	-8.2	24.7	-8.1	27.7	-8.0	29.9	-7.9					na
Kay Point -6	#205	-	6.4	-8.65	9.4	-7.9	12.5	-7.67	14.9	-7.49	18	-7.43	21	-7.35	24.1	-7.26	27.7	-7.23	30.8	-7.21											na
Kay Point -8	#205	-	9.1	-6.01	10.7	-5.99	12.2	-5.6	13.7	-5.68	15.2	-5.56	16.5	-5.49	17.4	-5.31															na
Kay Point -9	#205	-	9.1	-4.76	10.7	-4.82	12.2	-4.99	13.7	-5.09	15.2	-7.95	16.8	-8.33	18.3	-8.34	21.3	-8.27	24.4	-8.2	27.4	-8.13	29.9	-8.09							na
Kay Point -10	#205	-	3	-4.33	6.1	-6.89	9.1	-4.43	12.2	-4.64	15.2	-7.79	18.3	-4.9	21.3	-4.9	24.4	-5.03	27.4	-4.99	30.5	-5.01									na
Foothills CS -1	#231	-																													na
Foothills CS -2	#231	-																													na
Foothills CS -3	#231	-																													na
Monenco -1	#232	-																													na
Monenco -2	#232	-																													na
Dorsey Lk YT																															na
Near Slate Mtn																															na
Near Macmillan																															na
BRITISH COLUMBIA																															
Buckley L.	#10	-																													na
Hotailum	#9	</= 2.1																													na
Ritchie	#75	</= 1.3																													na
Ruby Creek -1	#188	-	15.2	1.2	30.5	0.9	45.7	1.1	61.0	1.4	76.2	1.8	91.4	2.1	106.7	2.5	152.4	3.8	198.1	5.1	335.3	9.3									na
Ruby Creek -2	#188	-	15.2	2.3	30.5	3.2	45.7	3.5	61.0	3.7	76.2	4.0	91.4	4.4	106.7	4.7	152.4	5.8	198.1	7.1	289.6	9.8									na
Ruby Creek -3	#188	-	15.2	2.3	30.5	2.5	39.6	2.9																							na
ALBERTA																															
Tathlina Lake	# 292	-	15.4	2.9	30.8	3.4	46.2	4.4	61.6	4.8	77.0	5.3	92.4	5.8	107.7	6.4	153.9	8.3	200.1	10.9	277.1	14.2									na
Indian 3-8	# 295	0.0	15.5	4.7	31.2	3.9	47.0	3.8	62.8	3.8	78.3	4.2	92.8	4.7	155.7	7.3	216.6	10.5	309.4	14.9	403.5	19.8	494.8	27.1	619.2	38.3	711.7	47.1	835.5	54.4	na
Zama N	THL1		4.3	3.4	5.4	3.2	6.0	3.1	10.1	3.7	12.7	3.8	15.0	3.8	20.0	3.8	25.4	3.6	30.3	3.5	36.9	3.4									na
Le Crete	THL2		3.5	3.9	5.2	3.6	7.4	3.2	9.1	3.4	11.4	3.4	13.1	3.3	15.3	3.2	15.7	3.2													na
Meander R. Station																															na
Meander R.	THL3		33.2	4.3	35.4	4.3	38.1	4.3	39.1	4.3																					na
Le Crete	THL4		5.2	3.9	8.1	3.9	10.9	4.0	13.3	3.9	15.5	3.7	17.7	3.7	20.5	3.6	30.8	3.5	35.1	3.5	40.2	3.5	50.1	3.5	60.1	3.7	83.5	4.2			na
Near Sutherland Is.	TFM1		2.2	6.7	3.2	5.9	4.3	4.6	5.9	4.0	7.5	3.8	8.4	3.8	21.3	3.3	25.5	3.3	30.0	3.3	50.3	3.5	100.5	4.5	150.0	5.9	200.1	7.4	253.5	8.5	na
Near Calumet Lk.	TFM2		4.7	4.4	6.3	3.9	8.4	3.8	9.5	3.8	11.6	3.9	13.2	3.9	50.4	4.0	75.4	4.7	100.3	5.3	120.4	5.8									na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Near Calumet Lk	TFM3		7.6	3.0	8.4	2.9	39.9	2.5	50.1	2.8	185.2	7.3	194.5	7.5	259.2	10.1	300.2	11.5	350.2	13.0											na
Near Tea Kettle Ck	TFM14		20.0	3.4	25.5	3.3	27.7	3.3	30.4	3.3	33.2	3.3	137.3	5.9	150.4	6.3	175.2	6.9	195.1	7.5											na
Near Dunkirk R	TFM15		4.9	5.1	10.3	4.0	15.6	4.0	24.5	3.8	51.0	3.3	75.5	3.7	100.2	4.4	150.2	6.0	200.3	7.2	250.3	8.3	297.5	9.3							na
Near Eight Lake	TFM19		8.0	4.6	9.6	4.2	11.2	4.1	12.9	4.2	20.2	5.5	25.1	4.6	31.1	4.7															na
Smith	TPR1		41.6	4.2	43.8	4.1	45.9	4.1	47.9	4.1	49.9	4.1	51.9	4.1																	na
Winagmi	TPR2		5.3	5.2	10.4	5.0	15.4	5.0	20.3	4.8	25.2	4.7	35.3	4.6	50.3	4.8	75.1	5.3	100.2	5.8	150.3	7.2	210.3	9.4							na
Cadotte L.	TPR3		165.4	6.5	170.1	6.6	175.2	6.7	200.3	7.5	220.3	8.1																			na
Marie L.	TCL1		50.0	4.4	75.3	4.5	100.4	4.9	132.1	5.6																					na
Marie L.	TCL2		50.0	4.4	75.3	4.5	100.4	4.9	132.1	5.6																					na
Cushing L.	TCL3		40.4	4.6	50.8	4.6	60.4	4.6	75.7	4.7	100.5	5.1	125.3	5.6	150.6	6.3	175.2	6.8	194.7	7.2											na
Cushing L.	TCL4		34.9	5.1	40.0	4.6	45.4	4.6	50.0	4.6	75.6	4.7	100.4	5.1	125.0	5.6	131.2	5.8													na
Cushing L.	TCL5		15.0	5.0	20.2	4.9	25.4	4.8	30.4	4.7	35.1	4.6	39.0	4.6																	na
Borgone L	TCL6		30.5	3.8	35.2	3.7	40.4	3.7	50.4	3.7	75.2	3.9	100.2	4.3	125.1	4.8	150.3	5.5	166.6	5.9											na
Esso Seism. St	TCL7		17.4	4.5	20.1	4.4	25.5	4.2	30.4	4.1	40.3	4.0	50.5	4.0	60.3	4.0	70.5	4.1	80.2	4.2	90.2	4.3	95.6	4.4							na
Esso Seism. St	TCL8		19.9	4.4	25.1	4.2	30.1	4.1	40.5	4.0	50.2	4.0	60.4	4.1	70.5	4.2	80.1	4.3	90.5	4.4	100.3	4.6	114.3	4.9							na
Esso T.H. 1	TCL9																														na
Lessard	TCL10		28.1	5.2	30.3	4.7	35.1	4.6	40.4	4.6	50.5	4.6	60.2	4.6	70.3	4.7	80.2	4.8	90.2	4.9	100.0	5.1	110.3	5.3	120.5	5.4	133.7	5.7			na
BPTriad 3	TCL11																														na
BPTriad 82-1	TCL12		15.0	4.5	19.8	4.4	23.1	4.3	29.4	4.2	39.7	4.0	50.1	3.9	60.5	3.9	70.3	3.9	90.4	4.0	104.9	4.2	117.2	4.6							na
BPTriad W	TCL13		12.8	4.8	15.5	4.4	20.4	4.4	25.2	4.3	30.3	4.1	40.3	4.0	50.2	3.9	60.5	3.8	70.2	3.8	80.2	3.9	90.2	3.9	100.1	4.1	125.3	4.5	149.3	4.8	na
Wolf Lk	TCL14		18.1	4.6	21.4	4.4	24.5	4.4	29.8	4.2	39.8	4.1	52.2	4.0	61.7	4.1	72.0	4.2	80.1	4.5	90.0	4.4	100.3	4.6	125.0	5.0	146.8	5.4			na
Near Iron River	CL945A																														na
Metiskow	TSA1		4.1	8.0	5.2	7.3	6.3	6.7	7.3	5.2	8.3	6.0	11.0	5.7	20.2	5.7	31.9	5.7	41.4	5.9	50.2	6.0	75.3	6.7	100.1	7.5	128.8	8.5			na
Monitor	TSA2		20.9	6.1	24.7	6.1	30.0	6.0	40.0	6.0	46.1	6.1	63.4	6.6	70.1	6.5	80.3	6.8	90.3	7.0	100.2	7.3	125.2	8.0	153.9	8.7					na
Sounding Cr	TSA3		7.5	6.4	9.1	6.4	13.3	6.4	19.7	6.3	25.1	6.4	29.9	6.4	40.5	6.5	50.5	6.7	60.3	6.9	70.0	7.1	90.2	7.5	100.2	7.7	115.2	8.0			na
Forty Mile Coube	TSA4		8.3	8.7	10.5	8.7	14.2	8.8	20.2	8.8	30.1	8.8	40.2	9.1	50.1	10.3	75.2	11.6	100.3	11.8	125.2	12.1	150.4	12.3	200.0	12.6	218.5	12.9			na
Pakowki	TSA5		23.7	7.7	25.4	7.7	29.7	7.6	40.1	7.6	50.2	7.7	60.1	7.7	70.2	7.9															na
Warner	TSA6		4.0	9.2	6.2	8.2	8.3	7.8	10.4	7.8	20.1	7.9	30.2	7.9	40.2	8.0	50.1	8.1	60.4	8.3	70.2	8.4	80.4	8.6	90.0	8.8	100.5	9.1	122.1	9.7	na
NE of Wainwright	S752		28.7	5.3	31.3	5.2	40.6	5.3	49.2	5.4	67.2	7.9	76.2	7.3	80.5	6.1	90.5	6.4	99.9	6.8	125.5	7.5	140.0	7.8							na
Vegreville	S753		3.6	4.3	4.0	4.6	10.1	4.6	15.2	4.7	20.3	4.7	25.0	4.8	30.0	4.8	40.2	5.0	48.0	5.3											na
Wainwright Farm	S754		17.5	5.3	18.5	5.3	38.2	5.3	50.5	5.4	60.2	5.5	70.3	5.7	80.0	5.8	90.2	6.0	100.2	6.2	109.6	6.4	120.6	6.6	130.2	6.8					na
Galahad	S755		5.0	4.8	7.1	4.9	9.6	5.1	11.7	5.2	13.9	5.4	16.6	5.4	18.7	5.4	20.9	5.4	21.2	5.5											na
Stettler	S756		12.0	5.6	14.8	5.6	19.8	5.5	25.2	5.5	29.7	5.5	40.0	5.6	49.9	5.7	61.3	6.1													na
Stettler	S757		9.1	5.4	9.9	5.4	14.8	5.4	20.3	5.3	30.2	5.3	39.9	5.4	50.4	5.6	63.8	5.8													na
Wetaskiwin	S758		5.9	5.4	9.6	5.3	15.1	5.7	20.0	5.7	25.0	5.7	29.9	5.7	40.0	5.7	50.1	5.9	59.3	6.1											na
Rollyview	S759		40.7	5.3	42.9	5.2	45.0	5.2	47.1	5.2	49.1	5.2	50.1	5.3																	na
Wetaskiwin	S760		6.7	5.6	10.0	5.5	15.5	5.5	20.4	5.5	25.1	5.5	30.4	5.6	40.4	5.6	50.4	5.8	62.5	6.0											na
Entwistle	S761		13.4	5.2	15.7	5.0	16.3	4.9	18.6	4.9	21.1	4.9	23.3	4.9	24.5	4.9															na
Edson	S762		33.1	4.7	35.2	4.6	36.4	4.6																							na
Tricreek Basin	S763		13.6	3.9	15.2	3.2	19.6	3.1	25.1	3.0	30.0	2.9	35.4	2.9	39.6	3.0	45.1	3.0	49.9	3.0											na
Tricreek	S764		2.3	5.1	5.2	3.3	9.8	3.4	14.7	3.4	20.4	3.2	25.1	3.2	30.4	3.3	35.3	3.3	39.9	3.4	45.0	3.4	50.0	3.5	54.4	3.6					na
Lloydminster	S765		56.0	5.5	60.0	5.5	64.8	5.6	70.3	5.6	75.0	5.8	79.9	5.8	89.6	6.0	99.9	6.3	119.7	6.7	140.2	7.2	163.0	7.8							na
Three Hills	S766		9.6	5.6	14.7	5.6	19.7	5.5	24.9	5.5	29.8	5.5	34.8	5.6	40.2	5.6	49.0	5.7	60.3	5.9											na
Olds	S767		8.4	5.0	10.3	1.9	15.1	5.1	20.0	5.1	25.2	5.1	29.9	5.2	40.4	5.5	49.9	5.5	55.6	5.5											na
Sundrea	S768		14.9	4.8	18.0	4.8	21.0	4.8	24.8	4.8	27.5	4.8	29.6	4.9	33.2	4.9	35.2	4.9	36.5	4.9											na
Barhead	S769		18.9	5.1	25.2	5.1	29.5	5.2	34.9	5.2	40.1	5.2	50.2	5.4	59.4	5.5	69.9	5.8	79.4	6.1											na
Sylvan Lk	S770		9.0	5.1	12.2	4.9	15.3	5.0	18.2	4.9	20.8	4.9	22.9	4.9	25.0	4.9	27.7	4.9	30.4	4.9	33.2	4.9									na
Marmot Ck Basin	S772		5.4	4.3	7.6	3.5	10.5	3.4	12.7	3.4	15.3	3.4	17.7	3.5	20.3	3.5	24.7	3.5	27.5	3.5	30.3	3.5	32.7	3.6							na
Goodwin	S773		6.0	5.2	9.9	4.9	12.5	5.1	14.9	5.2	17.4	5.3	20.0	5.5	22.5	5.6	25.2	5.6	30.2	5.7	35.4	5.8	39.6	6.0							na
Kleskun	S774		10.7	5.6	12.7	5.4	15.1	5.3	20.1	5.3	22.7	5.3	25.5	5.3	30.0	5.4	40.2	5.6	50.3	5.7	59.9	5.9	70.3	6.1	77.3	6.2					na
Woking	S775		17.3	4.6	19.8	4.6	25.3	4.6	30.0	4.7	39.8	4.8	49.8	4.9	60.4	5.2	70.1	5.5	80.4	5.8	93.8	6.5									na
Hythe	S778		5.4	5.0	10.4	4.8	15.4	4.7	17.6	4.8	20.2	4.8	25.4	4.8	30.0	4.9	40.5	5.0	50.7	5.3	60.2	5.5	66.7	5.7							na
Consort	S779		90.2	6.2	100.1	6.4	110.4	6.6	120.3	6.9	129.9	7.0	140.4	7.3	150.6	7.5	159.4	7.7	170.2	7.9	180.3	8.2	190.3	8.4	200.4	8.5	215.3	8.8			na
Wainwright Airport	S781		20.3	6.0	22.4	5.9	24.0	5.9	26.2	5.8	30.4	5.8	40.5	5.7	60.0	5.9	70.2	6.0	79.9	6.2	91.1	6.3									na
Botanic Gardens	S782		15.4	5.5	19.0	5.6	25.1	5.6	30.3	5.8	35.2	5.9	40.2	6.0	50.3	6.3	60.3	6.6	70.3	6.9	80.3	7.3									na
Hubbles Lk	S783		33.2	5.8	35.6	5.6	40.3	5.6	50.2	5.7	59.9	5.7	69.9	5.9	70.3	5.9	84.3	6.1													na
Gull Lk	S784		35.0	7.3	40.5	7.3	50.4	7.6	60.1	8.0	70.3	8.3	80.4	8.7	90.3	9.0	100.2	9.2	110.6	9.5											na
Crestomere	S785		75.1	6.1	80.2	6.2	90.1	6.4	100.4	6.7	110.2	6.9	120.5	7.2	130.4	7.4	133.9	7.5													na
Two Hills Farm	S787		20.0	5.2	23.3	5.2	25.4	5.2	30.2	5.3	34.9	5.4	40.2	5.5	45.4	5.6	49.3	5.7													na
Truman	S788		17.2	5.2	19.9	5.2	22.5	5.2	25.2	5.2	30.3	5.2	40.2	5.1	50.3	5.1	60.1	5.2	70.4	5.3											na
Rich Lk	S789		35.0	4.6	40.0	4.4	50.4	4.4	60.2	4.5	70.5	4.6	80.1	4.8	90.3	5.0	101.6	5.3													na
Sion	S790		14.8	5.2	15.8	5.1	18.0	5.0	20.1	4.9	24.0	4.9	30.3	4.9	40.2	5.0	52.1	5.1													na
Vermilion	S791		25.3	5.0	30.2	5.0	35.0	5.0	40.2	5.1	50.2	5.2	60.2	5.3	80.5	5.7	90.9	6.0	100.2	6.2	124.3	6.7									na
Kirpatric Lk	S792		5.1	7.1	8.4	5.8	11.1	5.3	15.0	5.3	20.2	5.3	25.1	5.2	30.0	5.2	40.3	5.2	50.3	5.3	60.2	5.4	70.4	5.6	80.3	5.8	85.2	5.9			na
Indian Cabins																															na
																															na

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
SASKATCHEWAN																															
Echo Lake	#136-1	</= 2.0																													na
Near Northern Pine																															na
Carson Lk																															na
Riverhurst																															na
Willovalo																															na
MANITOBA																															
Thompson	#138	-																													na
Snow L.	#137-3	-																													na
Snow L	#137-1	</= 2.5																													na
Lynn L.	#149-1	-																													na
Fox Lake	#150-2	-																													na
Fox Lake	#150-1	</= 1.4																													na
Near Pinawa																															na
Manasan Falls																															na
Fraser Lk																															na
Boundary Ck																															na
Kent Lk																															na
ONTARIO																															
Otoskwin R	#15	-																													na
Kapuskasing	#12	</= 3.5																													na
Cochrane	#11	</= 2.7																													na
Marmer	#126	-																													na
Minchin L	#16	</= 3.6																													na
English R	#17	</= 4.1																													na
Hearst	#13	-																													na
Red Lake	#83	-																													na
Near Minchin Lk																															na
Near Coulson Lk																															na
QUEBEC																															
Asbestos Hill - 8	# 114	-6.2	14.7	-5.5	29.4	-5.9	58.8	-6.0	88.0	-6.2	117.0	-5.4	145.8	-5.2	174.5	-4.9	203.1	-4.3	231.4	-4.2	259.6	-4.3									na
Asbestos Hill - 7	# 114	-	390.2	-2.2	400.3	-1.8	428.1	-1.6	450.4	-1.2																					na
Asbestos Hill - 3	# 114	-	10.7	-3.8	25.0	-4.1	52.7	-4.4	80.2	-4.7	105.8	-4.7	159.4	-4.6	206.5	-4.0	300.3	-3.0	408.4	-1.4	452.3	-1.2									na
Asbestos Hill - 6	# 114	-	398.3	-3.2	401.2	-3.0	406.9	-2.6	419.8	-1.9	438.4	-1.6																			na
Asbestos Hill - 1	# 114	-6.4	14.6	-6.1	29.4	-6.0	44.3	-6.1	59.1	-6.2	74.0	-6.3	88.8	-6.1	103.6	-5.9	148.2	-5.5	177.9	-5.0											na
Asbestos Hill - 2	# 114	-	2.6	-9.0	15.8	-7.7	29.0	-7.6	42.2	-7.3	55.4	-7.2	68.5	-7.0	81.8	-7.0	108.2	-6.8	121.4	-6.7											na
Kenty Lake - 1	# 283	-																													na
Neilson I	#52	</= 0.0																													na
Merrill I	#69	</= 3.0																													na
Mont Jacques-Cartier	-	-																													na
Great Whale River Basin	GB - 2																														Coniferous Forest
Great Whale River Basin	GB - 3																														Coniferous Forest

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMP (MAGT °C) Upper 200 m	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	DEPTH (metre)	MAGT (°C)	VEGETATION TYPE
Great Whale River Basin	GB - 1																														none
Great Whale River Basin	GB - 2																														Coniferous Forest
Great Whale River Basin	GB - 1																														none
Great Whale River Basin	Domanchin																														none
La Grande -2	#3																														Sparse lichen, moss
La Grande -2	#4																														Mosses, lichens
La Grande -2	#1																														Mosses, lichens
La Grande -2	#2																														none
La Grande -2	#5																														Mosses, lichens
La Grande -2	#8																														none
La Grande -2	#7																														Mosses, lichens
La Grande -2	#6																														Small shrubs
NEWFOUNDLAND																															
Baie Verte	#152-1	</= 4.4																													na
Baie Verte	#152-2	</= 4.3																													na
Baie Verte	#152-3																														na
Labrador City	#111																														na
Buchans	#113-2																														na
Buchans	#113-1																														na

EXTRAPOLATED MEAN ANNUAL GROL

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
NORTHWEST TERRITORIES/NUNAVUT						
Arctic Islands						
Eastern Melville Is	-	Primary clasts from parent bedrock	60 - 80	Cont		54
Neil 0-15	# 197	na	na	Cont	Calculated Equilibrium Temp	62,9
Gemini E-10	# 175	na	na	Cont	Calculated Equilibrium Temp	62,9
Fosheim N-27	# 97	na	na	Cont	Calculated Equilibrium Temp	57,9
Mokka A-02	# 166	na	na	Cont	Calculated Equilibrium Temp	62,9
Louise Bay 0-25	# 169	na	na	Cont	Calculated Equilibrium Temp	60,9
Dome Bay P-36	# 171	na	na	Cont	Drilling 57 days, stopped 18/7/72	58,9
Kristoffer Bay B-06	# 155	na	na	Cont	Calculated Equilibrium Temp	62,9
Thor P-38	# 170	na	na	Cont	Calculated Equilibrium Temp	62,9
Hoodoo Dome H-37	# 86	na	na	Cont	Calculated Equilibrium Temp	60,9
Brock I-20	# 158	na	na	Cont	Calculated Equilibrium Temp	60,9
Wilkins E-60	# 87	na	na	Cont	Drilling 106 days, stopped 25/1/71	57,9
Linckens Island P-46	# 195	na	na	Cont	Calculated Equilibrium Temp	61,9
Sutherland 0-23	# 256	na	na	Cont	Calculated Equilibrium Temp	62,9
Cornwall 0-30	# 291	na	na	Cont	Drilling 132 days, stopped 15/10/79	62,9
Pat Bay A-72	# 258	na	na	Cont	Calculated Equilibrium Temp	62,9
Jameson Bay C-31	# 91	na	na	Cont	Calculated Equilibrium Temp	58,9
Drake E-78	# 199	na	na	Cont	Calculated Equilibrium Temp	63,9
Drake D-68	# 198	na	na	Cont	Calculated Equilibrium Temp	58,9
Drake B-44	# 172	na	na	Cont	Calculated Equilibrium Temp	63,9
Drake D-73	# 259	na	na	Cont	Calculated Equilibrium Temp	63,9
Bent Horn N-72	# 196	na	na	Cont	Calculated Equilibrium Temp	62,9
Bent Horn F-72A	# 286	na	na	Cont	Calculated Equilibrium Temp	63,9
Hecla I-69	# 200	na	na	Cont	Calculated Equilibrium Temp	62,9
Pedder Point D-49	# 257	na	na	Cont	Calculated Equilibrium Temp	60,9
Little Cornwallis PG-10-77	#214	na	na	Cont	Temp may not be equil	37a
Polaris -1	# 157	na	na	Cont	Calculated Equilibrium Temp	63,9
Polaris -2	# 157	na	na	Cont	Calculated Equilibrium Temp	63,9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Polaris -3	# 157	na	na	Cont.	Calculated Equilibrium Temp.	63,9
Polaris -4	# 157	na	na	Cont.	Calculated Equilibrium Temp.	63,9
Polaris -5	# 157	na	na	Cont.	Calculated Equilibrium Temp.	63,9
Polaris -6	# 157	na	na	Cont.	Drilling stopped 2/5/73	37a
Polaris - 7	#157	na	na	Cont.	Drilining stopped 5/73	37a
Polaris -8	#157	na	na	Cont.	Drilling stopped 6/73?	37a
Polaris -9	#157	na	na	Cont.	Drilling stopped 12/7/73	37a
Polaris - 10	#157	na	na	Cont.	Drilling stopped 17/6/73	37a
Polaris - 11	#157	na	na	Cont.	Drilling stopped 29/6/73	37a
Devon E-45	# 99	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Winter Harbour	# 73	na	na	Cont.	Calculated Equilibrium Temp.	57,9
Resolute 1	-	na	na	Cont.	Temp. may not be equil.	57,9
Lobitos Resolute L-41	# 55	na	na	Cont.	Calculated Equilibrium Temp.	57,9
Dundas C-80	# 168	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Garnier O-21	# 92	na	na	Cont.	Drilling 47 days, stopped 9/7/71	57,9
Storkerson Bay A-15	# 98	na	na	Cont.	Drilling 48 days, stopped 10/12/71	57,9
Rowley M-04	# 95	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Resolute Bay NWT		na	na	Cont.		37,57
Polar Gas PG-9A-77	#214-7	na	na	Cont.	Drilled 1977? Temp. may not be equil.	37a
Assistance Bay PG-7-77	#214-6	na	na	Cont.	Drilled 1978? Temp. may not be equil.	37a
Agassiz Ice Cap 1977 hole	#606-1	na	na	Cont.	Hole drilled 1977	37a
Agassiz Ice Cap 1984 hole	#606-2	na	na	Cont.	Hole drilled 1984	37a
Marryatt K-71	#299	na	na	Cont.	Drilling 276? Days, stopped 17/7/83?	37a
Polar Gas	PG-7-76	na	na	Cont.	Calculated Equilibrium Temp.	37a
Polar Gas	PG-11-76	na	na	Cont.	Calculated Equilibrium Temp.	37a
Rea Pt	Telsat 1	na	na	Cont.	Calculated Equilibrium Temp.	37a
Rea Pt	Telsat 2	na	na	Cont.	Calculated Equilibrium Temp.	37a
Mackenzie Delta Region						
Kimik D-29	# 261	na	na	Cont.	Calculated Equilibrium Temp.	60,9
Ivik J-26	# 266	na	na	Cont.	Calculated Equilibrium Temp.	60,9
Atertak F-41	# 262	na	na	Cont.	Calculated Equilibrium Temp.	60,9
Kilagmiotak F-48	# 165	na	na	Cont.	Calculated Equilibrium Temp.	63,9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Pikiolik M-26	# 263	na	na	Cont	Drilling 39 days, stopped 30/1/72	59,9
Mallik A-06	# 265	na	na	Cont	Drilling 146 days, stopped 14/9/72	59,9
Adgo P-25	# 255	na	na	Cont	Calculated Equilibrium Temp.	59,9
Taglu D-55	# 269	na	na	Cont	Calculated Equilibrium Temp.	62,9
Garry P-04	# 288	na	na	Cont	Drilling 80 days, stopped 24/10/75	61,9
Taglu H-54	# 287	na	na	Cont	Calculated Equilibrium Temp.	62,9
Pikiolik E-54	# 264	na	na	Cont	Calculated Equilibrium Temp.	60,9
Taglu N-43	# 282	na	na	Cont	Calculated Equilibrium Temp.	62,9
Taglu D-43	# 268	na	na	Cont	Calculated Equilibrium Temp.	62,9
Taglu C-42	# 267	na	na	Cont	Calculated Equilibrium Temp.	62,9
Niglintgak H-30	# 173	na	na	Cont	Calculated Equilibrium Temp.	63,9
Niglintgak M-19	# 270	na	na	Cont	Drilling 211 days, stopped 28/11/74	59,9
Niglintgak B-19	# 278	na	na	Cont	Calculated Equilibrium Temp.	61,9
Kumak E-58	# 280	na	na	Cont	Calculated Equilibrium Temp.	63,9
Ya Ya A-28	# 254	na	na	Cont	Calculated Equilibrium Temp.	63,9
Ya Ya P-53	# 176	na	na	Cont	Calculated Equilibrium Temp.	63,9
North Ellice J-23	# 271	na	na	Cont	Calculated Equilibrium Temp.	61,9
Unipkat I-22	# 167	na	na	Cont	Calculated Equilibrium Temp.	63,9
Red Fox P-21	# 260	na	na	Cont	Calculated Equilibrium Temp.	60,9
Reindeer D-27	# 63	Sand	na	Cont	Calculated Equilibrium Temp.	61,9
Titalik K-26	# 177	na	na	Cont	Drilling 126 days, stopped 20/2/73	57,9
Reindeer F-36	# 179	na	na	Cont	Calculated Equilibrium Temp.	61,9
Siku A-12	# 277	na	na	Cont	Calculated Equilibrium Temp.	62,9
Siku E-21	# 284	na	na	Cont	Calculated Equilibrium Temp.	63,9
Siku C-11	# 274	na	na	Cont	Calculated Equilibrium Temp.	62,9
Parsons N-10	# 178	na	na	Cont	Calculated Equilibrium Temp.	61,9
Parsons D-20	# 285	na	na	Cont	Calculated Equilibrium Temp.	63,9
Kamik D-48	# 273	na	na	Cont	Calculated Equilibrium Temp.	63,9
Atigi O-48	# 194	na	na	Cont	Calculated Equilibrium Temp.	63,9
Parsons N-17	# 275	na	na	Cont	Calculated Equilibrium Temp.	62,9
Parsons L-37	# 279	na	na	Cont	Calculated Equilibrium Temp.	62,9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Kugpik O-13	# 192	na	na	Cont	Calculated Equilibrium Temp.	63,9
Parsons L-43	# 272	na	na	Cont	Calculated Equilibrium Temp.	62,9
Ikhil I-37	# 193	na	na	Cont	Calculated Equilibrium Temp.	63,9
Ulu A-35	# 276	na	na	Cont	Calculated Equilibrium Temp.	61,9
Beaver House H-13	# 89	na	na	Cont	Calculated Equilibrium Temp.	58,44,9
Tuktoyaktuk	Atkinson Point nearest to shore	na	na	Cont		44,9
Tuktoyaktuk	Atkinson Point farthest from shore	na	na	Cont		44,9
Tuktoyaktuk	Liverpool near shore	na	na	Cont		44,9
Tuktoyaktuk	Liverpool	na	na	Cont		44,9
South Mackenzie Delta	#1	Clay	na	Cont		44,9
South Mackenzie Delta	#2	Clay	na	Cont		44,9
South Mackenzie Delta	#3	Clay	na	Cont		44,9
South Mackenzie Delta	#4	Clay	na	Cont		44,9
South Mackenzie Delta	#5	Clay	na	Cont		44,9
South Mackenzie Delta	#6	Clay	na	Cont		44,9
Ilisarvik Lake	250m inland	Sands, silts, clays	-	Cont		45,9
Ilisarvik Lake	Shoreline	Sands, silts, clays	-	Cont		45,9
Inuvik 5 mi SW	no. 3	Sandy Silt	-	Cont		39,67,41,14
Inuvik 5 mi SW	no. 4	Sandy Silt	-	Cont		39,67,41,14
SW of Tuktoyaktuk	Near lake	na	-	Cont		37
Ellice Is. #1	30 m from channel	na	-	Cont		37
Ellice Is. #2	20 m from channel	na	-	Cont		37
Ellice Is. #3	9 m from channel	na	-	Cont		37
Ellice Is. #4	8 m from channel	na	-	Cont		37
Ellice Is. #5	3 m from channel	na	-	Cont		37
Amauligak	#801	na	-	Cont	Drilling stopped 6/9/87	37a
Isserk Geotechnical Hole	#802	na	-	Cont	Drilling duration 2 days, stopped 26/9/89	37a

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Taglu	92GSCTaglu	na	-	Cont.		22a
Kumak	92GSCKumak	na	-	Cont.		22a
Unipkat	92GSCUnipkat	na	-	Cont.		22a
Tuktoyaktuk	208-7			Cont.	Calculated Equilibrium Temp.	37a
Other NWT						
Arctic Red River site	-	na	na	Cont.		48
Fort McPherson site	-	na	na	Cont.		48,44
Horton River G-02	# 77	na	na	Cont.	Calculated Equilibrium Temp.	61
Sadene D-02	# 281	na	na	Cont.	Calculated Equilibrium Temp.	62
Kugaluk N-02	# 76	na	na	Cont.	Calculated Equilibrium Temp.	57,9
Tedji Lake K-24	# 253	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Muskox North		na	na	Cont.	Drilling 95 days, stopped 13/8/73	57,9
Muskox South		na	na	Cont.	Drilling 110 days, stopped 1/9/63	57,9
Hackett River 190-1	# 190	na	na	Cont.	Drilling stopped 29/7/73	58,9
Hackett River 190-2	# 190	na	na	Cont.	Drilling stopped 3/7/73	58,9
Hume River D-53	# 100	na	na	Disc.	Calculated Equilibrium Temp.	57,44,9
West Whitefish H-34	# 151	Clays, sandstones	na	Disc.	Calculated Equilibrium Temp.	58,44,9
Norman Wells Canol 30x	# 88	na	na	Disc.	Drilling 15 days, stopped 9/5/44	57,44,9
Norman Wells Canol 19x	# 88	na	na	Disc.	Well abandoned 8/6/43	57,44,9
Norman Wells Canol 18x	# 88	na	na	Disc.	Drilling 13 days, stopped 10/9/42	57,44,9
Norman Wells Canol 7x	# 88	na	na	Disc.	Drilling 15 days, stopped 25/7/42	57,44,9
Norman Wells Canol 33x	-	na	na	Disc.	Drilling 17 days, stopped 2/12/44	57,44,9
Norman Wells Bear I 13	# 88	na	na	Disc.	Drilling 23 days, stopped 23/5/44	57,44,9
Norman Wells Bear I 7	# 88	na	na	Disc.	Drilling 41 days, stopped 22/2/44	57,44,9
Dahadinni M-43A	# 94	Clay	na	Disc.	Calculated Equilibrium Temp.	58,44,9
Yellowknife	# 66	Grandiorite	na	Disc.	Drilling 64 days, stopped 5/6/65	57,44,9
Providence A-47	# 70	Clay	na	Disc.	Calculated Equilibrium Temp.	57,44,9
Cameron B-13	# 293	na	na	Disc.	Drilling 21 days, stopped 4/4/80	62,9
Lac Cinquante -2	# 294	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Lac Cinquante -1	# 294	na	na	Cont.	Drilling 3 days, stopped 22/7/80	62,9
Cambridge	#85-2	na	na	Cont.		26,9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Cambridge	#85-1	na	na	Cont		26.9
Norman Wells	Well 17	na	na	Disc		37
Norman Wells	Airport Rd 122 m from Mackenzie R.	na	na	Disc		37
Norman Wells	Deadline Rd 1200 m from Mackenzie R	na	na	Disc		37
Norman Wells	Well33	na	na	Disc		37
Norman Wells	Well 15	na	na	Disc		48c
Near Ft Providence		na	na	Disc		48c
Sapper Ranges		na	na	Disc		48c
Near Cameron Hill		na	na	Disc		48c
Near Cameron R		na	na	Disc		48c
YUKON						
North Cath B-62	# 62	na	na	Disc	Calculated Equilibrium Temp.	57.9
MacMillan Pass -1	# 296	na	na	Disc	Drilling 8 days, stopped 7/9/77	63.9
MacMillan Pass -2	# 296	na	na	Disc	Drilling 12 days, stopped 20/9/77	63.9
MacMillan Pass -3	# 296	na	na	Disc	Drilling 11 days, stopped 6/10/77	63.9
MacMillan Pass -4	# 296	na	na	Disc	Drilling 9 days, stopped 27/10/77	63.9
MacMillan Pass -5	#296	Breccia	na	Disc	Drilling 10 days, stopped 18/8/80	18
MacMillan Pass -6	#296	na	na	Disc	Drilling 18 days, stopped 4/10/79	18
MacMillan Pass -7	#296	na	na	Disc	Drilling 13 days, stopped 20/10/77	18
MacMillan Pass -8	#296	na	na	Disc	Drilling 18 days, stopped 21/6/77	18
Howards Pass -1	# 290	na	na	Disc	Drilling 16 days, stopped 30/6/79	62.9
Howards Pass -2	# 290	na	na	Disc	Temp may not be equilibrium	63.9
Red Mountain -1	# 289	na	na	Disc	Calculated Equilibrium Temp.	63.9
Red Mountain -2	# 289	na	na	Disc	Calculated Equilibrium Temp.	63.9
Red Mountain -4	# 289	na	na	Disc	Calculated Equilibrium Temp.	63.9
Red Mountain -7	# 289	na	na	Disc.	Drilling 16 days, stopped 30/6/81	63.9
Red Mountain -8	# 289	na	na	Disc.	Drilling 13 days, stopped 14/7/81	63.9
Otter Creek -1	#297	na	na	Disc.	Temp. may not be equil	18
Otter Creek -2	# 297	na	na	Disc	Temp. may not be equil	63.9
Otter Creek -3	# 297	na	na	Disc	Drilling stopped 29/2/79	63.9
Logtung -1	# 139	na	na	Disc	Drilling 7 days, stopped 3/10/77	62.9
Logtung -2	# 139	na	na	Disc	Drilling 7 days, stopped 15/7/78	62.9
Logtung -3	# 139	na	na	Disc	Drilling 8 days, stopped 28/7/78	62.9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Logtung -4	# 139	na	na	Disc	Drilling 14 days, stopped 9/8/78	62.9
B.R. Blow River	-	na	na	Cont	Calculated Equilibrium Temp	18
Clinton Creek -1	#112	na	na	Disc	Temp. may not be equil	18
Whitehorse Copper -1	#122	na	na	Disc	Temp. may not be equil	18
Whitehorse Copper -2	#122	na	na	Disc	Temp. may not be equil	18
Whitehorse Copper -3	#122	na	na	Disc	Temp. may not be equil	18
Kay Point -1	#205	na	na	Cont	Drilled March 1974	18
Kay Point -2	#205	na	na	Cont	Drilled March 1974	18
Kay Point -3	#205	Silt, sand, gravel	na	Cont	Drilled 27/3/76	18
Kay Point -4	#205	Organics, silt, clay	na	Cont	Drilled March 1976	18
Kay Point -5	#205	Organics, sand, silt	na	Cont	Drilled March 1976	18
Kay Point -6	#205	Silt and ice	na	Cont	Drilled April 1976	18
Kay Point -8	#205	Ice, organics, silt	na	Cont	Drilled April 1976	18
Kay Point -9	#205	Silt and clay	na	Disc	Drilled April 1976	18
Kay Point -10	#205	Ice, silt, sand	na	Disc	Drilled April 1976	18
Foothills CS -1	#231	Clay, gravel, sand	na	Disc		18
Foothills CS -2	#231	Silty clay	na	Disc		18
Foothills CS -3	#231	Silt, clay, sand	na	Disc		18
Monenco -1	#232	Sand, silt, gravel	na	Disc		18
Monenco -2	#232	Silt, gravel, sand	na	Disc		18
Dorsey Lk YT		na	na	Disc		48c
Near Slate Mtn		na	na	Disc		48c
Near Macmillan		na	na	Disc		48c
BRITISH COLUMBIA						
Buckley L.	#10	na	na	no pf		26.9
Hotailum	#9	na	na	Disc		26.9
Ritchie	#75	na	na	no pf		26.9
Ruby Creek -1	#188	na	na	Disc	Calculated Equilibrium Temp.	26.9
Ruby Creek -2	#188	na	na	Disc	Calculated Equilibrium Temp.	26.9
Ruby Creek -3	#188	na	na	Disc	Calculated Equilibrium Temp.	26.9
ALBERTA						
Tathlina Lake	# 292	na	na	Disc	Drilling 30 days, stopped 2/3/79	62.9
Indian 9-8	# 295	na	na	Disc	Drilling 17 days, stopped 18/11/79	62.9
Zama N	THL1	na	na	Disc		48b,48c
Le Crete	THL2	na	na	no pf		48b,48c
Meander R. Station		na	na	Disc		48c
Meander R.	THL3	na	na	no pf		48b,48c
Le Crete	THL4	na	na	no pf		48b,48c
Near Sutherland Is.	TFM1	na	na	Disc		48b,48c
Near Calumet Lk	TFM2	na	na	Disc		48b,48c

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Near Calumet Lk.	TFM3	na	na	Disc		48b,48c
Near Tea Kettle Ck.	TFM14	na	na	Disc		48b,48c
Near Dunkirk R.	TFM15	na	na	Disc		48b,48c
Near Eight Lake	TFM19	na	na	Disc		48b,48c
Smith	TPR1	na	na	no pf		48b,48c
Winagmi	TPR2	na	na	no pf		48b,48c
Cadotte L.	TPR3	na	na	no pf		48b,48c
Marie L.	TCL1	na	na	no pf		48b,48c
Marie L.	TCL2	na	na	no pf		48b,48c
Cushing L.	TCL3	na	na	no pf		48b,48c
Cushing L.	TCL4	na	na	no pf		48b,48c
Cushing L.	TCL5	na	na	no pf		48b,48c
Borgone L.	TCL6	na	na	no pf		48b,48c
Esso Seism. St.	TCL7	na	na	no pf		48b,48c
Esso Seism. St.	TCL8	na	na	no pf		48b,48c
Esso T.H. 1	TCL9	na	na	no pf		48b,48c
Lessard	TCL10	na	na	no pf		48b,48c
BPTriad 3	TCL11	na	na	no pf		48b,48c
BPTriad 82-1	TCL12	na	na	no pf		48b,48c
BPTriad W	TCL13	na	na	no pf		48b,48c
Wolf Lk	TCL14	na	na	no pf		48b,48c
Near Iron River	CL945A	na	na	no pf		48c
Metiskow	TSA1	na	na	no pf		48b,48c
Monitor	TSA2	na	na	no pf		48b,48c
Sounding Cr.	TSA3	na	na	no pf		48b,48c
Forty Mile Coube	TSA4	na	na	no pf		48b,48c
Pakowki	TSA5	na	na	no pf		48b,48c
Warner	TSA6	na	na	no pf		48b,48c
NE of Wainwright	S752	na	na	no pf		48a,48c
Vegreville	S753	na	na	no pf		48a,48c
Wainwright Farm	S754	na	na	no pf		48a,48c
Galahad	S755	na	na	no pf		48a,48c
Stettler	S756	na	na	no pf		48a,48c
Stettler	S757	na	na	no pf		48a,48c
Wetaskiwin	S758	na	na	no pf		48a,48c
Rollyview	S759	na	na	no pf		48a,48c
Wetaskiwin	S760	na	na	no pf		48a,48c
Entwistle	S761	na	na	no pf		48a,48c
Edson	S762	na	na	no pf		48a,48c
Tricreek Basin	S763	na	na	no pf		48a,48c
Tricreek	S764	na	na	no pf		48a,48c
Lloydminster	S765	na	na	no pf		48a,48c
Three Hills	S766	na	na	no pf		48a,48c
Olds	S767	na	na	no pf		48a,48c
Sundrea	S768	na	na	no pf		48a,48c
Barhead	S769	na	na	no pf		48a,48c
Sylvan Lk	S770	na	na	no pf		48a,48c
Marmot Ck Basin	S772	na	na	no pf		48a,48c
Goodwin	S773	na	na	no pf		48a,48c
Kleskun	S774	na	na	no pf		48a,48c
Woking	S775	na	na	no pf		48a,48c
Hythe	S778	na	na	no pf		48a,48c
Consort	S779	na	na	no pf		48a,48c
Wainwright Airport	S781	na	na	no pf		48a,48c
Botanic Gardens	S782	na	na	no pf		48a,48c
Hubbles Lk	S783	na	na	no pf		48a,48c
Gull Lk	S784	na	na	no pf		48a,48c
Crestomere	S785	na	na	no pf		48a,48c
Two Hills Farm	S787	na	na	no pf		48a,48c
Truman	S788	na	na	no pf		48a,48c
Rich Lk	S789	na	na	no pf		48a,48c
Sion	S790	na	na	no pf		48a,48c
Vermilion	S791	na	na	no pf		48a,48c
Kirpatric Lk	S792	na	na	no pf		48a,48c
Indian Cabins		na	na	Disc		48c

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SASKATCHEWAN						
Echo Lake	#136-1	na	na	Disc.		26,9
Near Northern Pine		na	na	no pf		48c
Carson Lk		na	na	Disc		48c
Riverhurst		na	na	no pf		48c
Willovale		na	na	no pf		48c
MANITOBA						
Thompson	#138	na	na	Disc.		26,9
Snow L.	#137-3	na	na	Disc.		26,9
Snow L.	#137-1	na	na	Disc.		26,9
Lynn L.	#149-1	na	na	Disc		26,9
Fox Lake	#150-2	na	na	Disc		26,9
Fox Lake	#150-1	na	na	Disc		26,9
Near Pinawa		na	na	no pf		48c
Manasan Falls		na	na	Disc		48c
Fraser Lk.		na	na	Disc		48c
Boundary Ck		na	na	no pf		48c
Kent Lk.		na	na	no pf		48c
ONTARIO						
Otoskwin R	#15	na	na	no pf		26,9
Kapuskasing	#12	na	na	no pf		26,9
Cochrane	#11	na	na	no pf		26,9
Mariner	#126	na	na	no pf		26,9
Minchin L.	#16	na	na	no pf		26,9
English R.	#17	na	na	no pf		26,9
Hearst	#13	na	na	no pf		26,9
Red Lake	#83	na	na	no pf		26,9
Near Minchin Lk.		na	na	no pf		48c
Near Coulson Lk		na	na	no pf		48c
QUEBEC						
Asbestos Hill -8	# 114	na	na	Cont.	Calculated Equilibrium Temp.	62,9
Asbestos Hill -7	# 114	na	na	Cont.	Drilling started 2/77	61,9
Asbestos Hill -3	# 114	na	na	Cont.	Drilling 67 days, stopped 15/11/74	59,9
Asbestos Hill -6	# 114	na	na	Cont.	Drilling started 7/76	61,9
Asbestos Hill -1	# 114	na	na	Cont.	Calculated Equilibrium Temp.	59,9
Asbestos Hill -2	# 114	na	na	Cont.	Calculated Equilibrium Temp.	60,9
Kenty Lake -1	# 283	na	na	Cont.		61,9
Neilson I	#62	na	na	Disc.		26,9
Merrill I.	#69	na	na	no pf		26,9
Mont Jacques-Cartier	-	Bedrock	600.0	Alpine		32
Great Whale River Basin	GB - 2	Mineral soil	na	Disc.		49,33,9
Great Whale River Basin	GB - 3	Mineral soil	na	Disc.		49,33,9

SITE LOCATION	SITE IDENTIFIER	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Great Whale River Basin	GB - 1	Rock outcrop	na	Disc.		49,33,9
Great Whale River Basin	GB - 2	Mineral soil	na	Disc.		49,33,9
Great Whale River Basin	GB - 1	Rock outcrop	na	Disc.		49,33,9
Great Whale River Basin	Domanchin	Rock outcrop	na	Disc.		49,33,9
La Grande -2	#3	na	na	Disc.		50,9
La Grande -2	#4	na	na	Disc.		50,9
La Grande -2	#1	na	na	Disc.		50,9
La Grande -2	#2	na	na	Disc.		50,9
La Grande -2	#5	na	na	Disc.		50,9
La Grande -2	#6	na	na	Disc.		50,9
La Grande -2	#7	na	na	Disc.		50,9
La Grande -2	#8	na	na	Disc.		50,9
NEWFOUNDLAND						
Baie Verte	#152-1	na	na	no pf		26,9
Baie Verte	#152-2	na	na	no pf		26,9
Baie Verte	#152-3	na	na	no pf		26,9
Labrador City	#111	na	na	Disc.		26,9
Buchans	#113-2	na	na	no pf		26,9
Buchans	#113-1	na	na	no pf		26,9

GROUND TEMPERATURE AVAILABLE AT SEVERAL DEPTHS

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER	DURATION OF SNOWCOVER	DEPTH (metre)
NORTHWEST TERRITORIES/NUNAVUT																	
Arctic Islands																	
Mould Bay A	-	76.20	119.42	-	AES	I	1951-1980	-17.8	3.9	Jul	-35.2	Feb	71.9	Oct	27.1	Jan-Dec	0.00
Resolute	-	74.72	94.98	64	AES	I	1951-1980	-16.6	4.1	Jul	-33.2	Feb	83.8	Sep	35.6	Jan-Dec	0.00
Alert	1	82.50	62.42	15	EPB	A	08/1979 - 08/1980	-18.0	na	na	na	na	na	na	29.0	10/79 - 06/80	0.00
Alert	2	82.50	62.42	90	EPB	A	08/1979 - 08/1980	-18.0	na	na	na	na	na	na	31.0	10/79 - 06/80	0.00
Alert	3	82.50	62.42	168	EPB	A	08/1979 - 08/1980	-18.0	na	na	na	na	na	na	39.0	10/79 - 06/80	0.00
Alert	4	82.50	62.42	60	EPB	A	08/1979 - 08/1980	-18.0	na	na	na	na	na	na	10.0	10/79 - 06/80	0.00
Alert	5	82.50	62.42	75	EPB	A	08/1979 - 08/1980	-18.0	na	na	na	na	na	na	18.0	10/79 - 06/80	0.00
Rea Pt		75.37	105.75	-	other	I	08/85-05/87	-	-	-	-	-	-	-	40	-	1.00
Iqaluit Permafrost Site		63.80	68.50	-	other	A	07/88-07/94	-9.3	-	-	-	-	255.5	-	-	-	0.50
Hot Weather Creek	HWC STN	79.95	84.44	100	GSC	I	06/88-04/94	-19.38	9.67	Jul	-40.65	Jan	-	-	-	-	0.00
Mackenzie Delta Region																	
Inuvik	I1	62.38	133.73	25	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I2	68.32	133.42	100	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I3	68.13	133.45	30	other	I	09/78-03/81	-9.6	13.2	Jul	-29.7	Feb	173.0	na	-	-	0.00
Inuvik	I4	69.12	133.43	40	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I5	67.95	133.47	75	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I6	67.50	133.77	45	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I7	68.42	133.87	8	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Inuvik	I8	68.42	133.87	10	other	I	09/78-03/81	-9.6	13.2	Jul	-29.2	Feb	173.0	na	-	-	0.00
Williams Island,50km NW of Inuvik	#1	68.73	134.28	<4	other	I	09/1969-09/1970	(Aklavik) -9.1	na	na	na	na	na	na	mean snow depth 41	-	0.50
Williams Island,50km NW of Inuvik	#2	68.73	134.28	<4	other	I	09/1969-09/1970	(Aklavik) -9.1	na	na	na	na	na	na	mean snow depth 116	-	0.50
Williams Island,50km NW of Inuvik	#3	68.73	134.28	<4	other	I	09/1969-09/1970	(Aklavik) -9.1	na	na	na	na	na	na	mean snow depth 75	-	0.50
Williams Island,50km NW of Inuvik	#4	68.73	134.28	<4	other	I	09/1969-09/1970	(Aklavik) -9.1	na	na	na	na	na	na	mean snow depth 80	-	0.50
Williams Island,50km NW of Inuvik	#5	68.73	134.28	<4	other	I	09/1969-09/1970	(Aklavik) -9.1	na	na	na	na	na	na	mean snow depth 59	-	0.50
Lousy Point	BH91-6	69.24	134.44	32	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-8	69.24	134.42	19	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-10	69.23	134.35	21	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-11	69.23	134.34	61	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-12	69.22	134.30	18	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-13	69.22	135.29	37	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Lousy Point	BH91-15	69.21	134.27	6	GSC	I	04/1991-09/1991	-	na	na	na	na	na	na	-	-	0.00
Parsons Lake	C6	68.58	133.55	-	AgCan	A	1990-1996	-10.03	12.9	Jul	-25.1	Jan	-	-	-	-	0.03
Other NWT/Nunavut																	

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER	DURATION OF SNOWCOVER	DEPTH (metre)
Fort Smith	-	60.00	111.88	-	AES	A	1951-1980	-3.3	16.0	Jul	-26.8	Jan	145.9	Nov	50.5	Sep-Apr	0.00
Fort Simpson	FS #1	61.79	121.30	160 - 180	GSC	I	03/72-08/72	-3.9	na	na	na	na	na	na	66.0	-	0.00
Fort Simpson	FS #2	61.70	121.24	160 - 180	GSC	I	03/72-08/72	-3.9	na	na	na	na	na	na	66.0	-	0.00
Fort Simpson	FS #3	61.64	121.41	160 - 180	GSC	I	03/72-08/72	-3.9	na	na	na	na	na	na	66.0	-	0.00
Fort Simpson	-	61.87	121.35	131	AES	I	1951-1980	-4.0	17.2	Jul	-28.1	Jan	118.3	Nov	62.8	Sep-Apr	0.00
Yellowknife	1) black rock	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	2) white rock	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	3) red rock	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	4) till	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	5) beach ridge	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	6) burned peatland	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	7) sedge peatland	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Yellowknife	8) spruce peatland	62.47	114.45	180	DBR	I	01/1970 - 12/1970	-5.5	na	na	na	na	na	na	-	-	0.00
Baker Lake A	-	64.30	96.00	13	AES	I	1951-1980	-12.2	11.0	Jul	-33.0	Jan	100.0	Oct	63.6	Sep-Jun	0.00
Baker Lake	Hole 1	64.167	95.5		GSC	A	1997-1999	-12.2	11.0	Jul	-33.0	Jan					0.50
Baker Lake	Hole 3	64.167	95.5		GSC	A	1997-1999	-12.2	11.0	Jul	-33.0	Jan					0.50
Baker Lake	Hole 4	64.167	95.5		GSC	A	1997-1999	-12.2	11.0	Jul	-33.0	Jan					0
Canyon Ck North	84-2A	65.29	126.88	123	GSC	A	06/84-06/85	-	-	-	-	-	-	-	69	Oct-Apr	1.00
Canyon Ck North	84-2B	65.27	126.52	110	GSC	A	09/84-09/85	-	-	-	-	-	-	-	61	Oct-Apr	1.00
Canyon Ck South	84-2C	65.22	126.51	119	GSC	A	09/84-09/85	-	-	-	-	-	-	-	65	Oct-Apr	1.00
Norman Wells Pump Stn	84-1	65.29	126.88	61	GSC	A	06/84-06/85	-	-	-	-	-	-	-	73	Oct-Apr	1.00
Kee Scarp	HT137	65.31	126.73	365	GSC	A	06/87-10/88	-	-	-	-	-	-	-		-	1.00
Great Bear R	84-3A	64.91	125.58	70	GSC	A	06/84-06/85	-	-	-	-	-	-	-	81	Oct-Mar	0.50
Great Bear R	84-3B	64.91	125.57	93	GSC	A	09/84-09/85	-	-	-	-	-	-	-	50	Oct-Apr	1.00
Table Mountain	85-7A	63.61	123.64	255	GSC	A	03/85-03/86	-	-	-	-	-	-	-	54	Oct-Apr	1.00
Table Mountain	85-7B	63.60	123.62	265	GSC	A	03/85-03/86	-	-	-	-	-	-	-	55	Oct-Apr	1.00
Table Mountain	85-7C	63.60	123.62	259	GSC	A	03/85-03/86	-	-	-	-	-	-	-	67	Oct-Apr	1.00
Trail River	84-4A	62.08	121.99	153	GSC	A	09/84-09/85	-	-	-	-	-	-	-	51	Oct-Apr	1.00
Trail River	84-4B	62.08	121.99	165	GSC	A	09/84-09/85	-	-	-	-	-	-	-	59	Oct-Apr	1.00
Manners Ck	85-8A	61.60	121.09	191	GSC	A	05/85-05/86	-	-	-	-	-	-	-	40	Oct-Apr	1.00
Manners Ck	85-8B	61.60	121.09	190	GSC	A	03/85-03/86	-	-	-	-	-	-	-	50	Oct-Apr	1.00
Manners Ck	85-8C	61.60	121.09	190	GSC	A	03/85-03/86	-	-	-	-	-	-	-	54	Oct-Apr	1.00
N Wells PumpStn3	85-9	61.39	120.90	223	GSC	A	03/85-03/86	-	-	-	-	-	-	-	56	Oct-Apr	1.00
Mackenzie Hwy S	85-10A	61.35	120.88	244	GSC	A	03/85-03/86	-	-	-	-	-	-	-	49	Oct-Apr	1.00
Mackenzie Hwy S	85-10B	61.35	120.87	244	GSC	A	03/85-03/86	-	-	-	-	-	-	-	58	Oct-Apr	0.50
Moraine South	85-11	61.28	120.80	251	GSC	A	03/85-03/86	-	-	-	-	-	-	-	65	Oct-Apr	0.50
Jean Marie Ck	85-12A	61.19	120.70	298	GSC	A	03/85-04/86	-	-	-	-	-	-	-	69	Oct-Apr	0.50
Jean Marie Ck	85-12B	61.19	120.70	300	GSC	A	09/84-09/85	-	-	-	-	-	-	-	57	Oct-Apr	0.50
Gibson Gap		65.77	127.92	70	GSC	A	09/90-08/92	-5.4	14.8	July	-24.79	Feb	-	-	74.3	Oct-Apr	1.00
Norman Wells	NW #1	65.35	127.17	61	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Norman Wells	NW #2	65.25	127.00	76	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Norman Wells	NW #3	65.28	126.75	72	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Norman Wells	NW #4	65.34	127.07	61	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Norman Wells	NW #5	65.26	126.63	122	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Norman Wells	NW #6	65.23	127.12	168	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER	DURATION OF SNOWCOVER	DEPTH (metre)
Norman Wells	NW #7	65.25	126.64	69	GSC	I	7/72-6/74	-6.2	na	na	na	na	na	na	-	na	0.00
Fort Good Hope	FGH #1	65.74	128.69	30	GSC	I	12/71-2/73	-7.6	-	-	-	-	-	-	86.0	-	0.00
Fort Good Hope	FGH #3	65.78	128.87	30	GSC	I	12/71-1/73	7.6	-	-	-	-	-	-	86.0	-	0.00
Fort Good Hope	FGH #2	65.80	129.42	91	GSC	I	12/71-1/73	7.6	-	-	-	-	-	-	86.0	-	0.00
Fort Good Hope	FGH #4	66.12	129.61	69	GSC	I	12/71-1/73	-7.6	-	-	-	-	-	-	86.0	-	0.00
Fort McPherson site	MP #1	67.43	135.42	-	GSC	I	03/72-07/72	-8.2	na	na	na	na	na	na	-	-	0.00
Fort McPherson site	MP #2	67.43	135.42	-	GSC	I	03/72-07/72	-8.2	na	na	na	na	na	na	-	-	0.00
Fort McPherson site	MP #3	67.43	135.42	-	GSC	I	03/72-07/72	-8.2	na	na	na	na	na	na	-	-	0.00
Great Bear River	C12	64.92	125.58	93	AgCan	A	1989-1996	-5.5	17.2	Jul	-27.9	Jan					0.03
Pump Stn 1	C10	65.28	126.88	61	AgCan	A	1989-1996	-5.9	17.42	Jul	-28.5	Jan					0.03
Tulita (10 km North)	SEEDS control site	64.9	125.58		other	I	02/90-019/90	-6.3							40-100		0
Norman Wells	Hole #7	65.28	126.83	-61	other	I	06/73-09/75	-6.2									0.01
Norman Wells	Hole #10	65.28	126.83	-61	other	I	06/73-09/75	-6.2									0.01
Norman Wells	Hole #12	65.28	126.83	-61	other	I	04/73-09/75	-6.2									0.076
Norman Wells	Hole #13	65.28	126.83	-61	other	I	04/73-09/75	-6.2									0.076
Norman Wells	Hole #14	65.28	126.83	-61	GSC	A	1999	-6.2									4
Norman Wells	Hole #17	65.28	126.83	-61	other	I	04/73-09/75	-6.2									0.076
Norman Wells	Water Treatment Plant	65.28	126.84		GSC	A	07/1998-07/1999										2
Norman Wells	Hockey Arena	65.28	126.83		GSC	A	07/1998-07/1999										2
Manners Ck	undisturbed site	61.6	120.87		AgCan	A	1988-1991	3.4	16.7	Jul	-25.2	Jan			35-40		0
YUKON																	
Haines Junction		60.75	137.58	599	AES	I	1951-1980	3.2	12.5	Jul	22.9	Jan	140.7	Nov	-	-	0.00
Watson Lake A		60.07	128.70		AES	I	1951-1980	3.3	14.5	Jul	20.9	Jan	228.8	Dec	69.9	Sep-May	0.00
Tuchita	Peat plateau	61.50	131.00		other	A	1979-1989						-	-	67mean	Nov-May	0.10
Mayo	Glaciolacustrine A	63.58	135.58	-	other	A	08/85-08/87	-4	-	-	-	-	-	-	-	-	2.00
Mayo	Glaciolacustrine B	63.58	135.58	-	other	A	08/85-08/87	-4	-	-	-	-	-	-	-	-	2.00
Mayo	Alluvial C	63.58	135.58	-	other	A	08/85-08/87	-4	-	-	-	-	-	-	-	-	2.00
BRITISH COLUMBIA																	
Prince George A		53.88	122.67	676	AES	I	1951-1980	3.3	15.1	Jul	12.1	Jan	241.7	Jan	38.8	Sep-May	0.00
Summit Lake A	Summit Pass	58.63	124.70	1524	other	A	1979-1989	-3.85	-	-	-	-	-	-	32	Nov-May	0.20
Summit Lake B	Upper Testa R	58.66	124.58	1170	other	I	12/81-06/82	-	-	-	-	-	-	-	75	-	20.70
Summit Lake C	Lower Testa R	58.67	124.45	982	other	I	12/81-08/82	-	-	-	-	-	-	-	90	-	14.45
Summit Lake D	Mill Ck	58.67	123.99	751	other	I	12/81-08/82	-	-	-	-	-	-	-	70	-	12.80
Summit Lake E	Steamboat	58.68	123.77	1094	other	I	05/82-08/82	-	-	-	-	-	-	-	-	-	11.00
ALBERTA																	
Lethbridge		49.70	112.78	899	AES	A	1951-1980	5.0	18.0	Jul	10.6	Jan	163.5	Jan	14.9	Sep-May	0.01
Vauxhall		50.05	112.13	779	AES	A	1951-1980	4.5	18.6	Jul	-12.7	Jan	118.5	Dec	-	Sep-May	0.01

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER	DURATION OF SNOWCOVER	DEPTH (metre)
LaCombe	-	52.47	113.73	-	AES	A	1951-1980	2.1	16.1	Jul	-15.5	Jan	122.7	Jan	31.5	Sep-May	0.01
Ellerslie	-	53.42	113.55	694	AES	I	1951-1980	1.7	16.0	Jul	-16.6	Jan	113.6	Dec	19.1	-	0.00
Ellerslie Soil Sci Res Stn	10km S of Edmonton	53.42	113.47	-	other	I	1965-1975	1.4 +/- 0.5	na	na	na	na	na	na	mean snow depth 19.4	-	2.00
Vegreville	-	53.48	112.03	636	AES	I	1951-1980	1.1	16.3	Jul	-18.1	Jan	83.8	Dec	27.9	Sep-May	0.01
Edson A	-	53.58	116.43	-	AES	I	1951-1980	0.9	14.4	Jul	-15.4	Jan	196.4	Jan	40.3	Sep-May	0.00
Beaverlodge	-	55.18	119.38	735	AES	A	1964-1968	5.5	na	na	na	na	na	na	-	-	0.00
Beaverlodge	-	55.18	119.37	762	AES	I	1951-1980	1.6	15.2	Jul	-15.9	Jan	195.2	Jan	-	-	0.00
Slave Lake	-	55.28	114.77	-	AES	I	1951-1980	0.9	15.6	Jul	-18.0	Jan	170.1	Jan	-	-	0.01
Peace River	-	56.23	117.43	569	AES	I	1951-1980	3.5	16.2	Jul	-11.4	Jan	146.4	Jan	39.0	Sep-May	0.01
Fort Vermilion	-	58.38	116.05	279	AES	I	1951-1980	-1.2	16.5	Jul	-23.8	Jan	130.3	na	46.0	Sep-May	0.01
Plateau Mtn	#2	50.20	114.53	2499	other	A	1976-1989	-1.97	-	-	-	-	-	-	12mean	Nov-May	0.75
Marmot Basin	#1	53.00	119.00	2286	other	A	1979-1989	-1.76	-	-	-	-	-	-	5mean	Nov-May	7.92
Petitot River N	84-5A	59.75	119.50	552	GSC	A	09/84-09/85	-	-	-	-	-	-	-	68	na	1.00
Petitot River N	84-5B	59.75	119.51	552	GSC	A	11/84-10-86	-	-	-	-	-	-	-	66	na	1.00
Petitot River S	84-6	59.45	119.25	575	GSC	A	09/84-09/85	-	-	-	-	-	-	-	na	na	1.00
Plateau Mtn	Blocky slope	50.182	114.503	1950		A	10/4-10/96	-1.17	-		-						0.02
Plateau Mtn	Loess pocket	50.182	114.503	1950		A	10/94-10/95	-1.17	-		-						0.02
SASKATCHEWAN																	
Swift Current A	-	50.25	107.83	-	AES	I	1951-1980	3.2	18.2	Jul	-14.7	Jan	129.0	Dec	21.0	Sep-May	0.01
Swift Current	-	50.27	107.73	825	AES	A	1964-1968	5.7	na	na	na	na	na	na	14.6	Sep-May	0.00
Swift Current	-	50.28	107.80	-	AES	I	1951-1980	3.3	18.5	Jul	-14.8	Jan	105.4	Jan	-	-	0.01
Broadview	-	50.38	102.58	601	AES	I	1951-1980	1.3	17.7	Jul	-18.9	Jan	119.4	Dec	22.4	Sep-May	0.01
Regina	-	50.40	104.57	573	AES	I	1951-1980	1.9	18.6	Jul	-18.0	Jan	96.9	Dec	22.2	Oct-Apr	0.01
Yorkton A\	-	51.22	102.47	-	AES	I	1951-1980	1.1	18.3	Jul	-19.9	Jan	138.2	Mar	35.2	Sep-May	0.01
Kindersley	-	51.47	109.17	-	AES	A	1951-1980	2.4	18.3	Jul	-17.2	Jan	98.2	Dec	28.3	Sep-May	0.01
Outlook	-	51.50	104.62	541	AES	I	1951-1980	2.7	18.9	Jul	-17.2	Jan	88.9	Jan	-	-	0.01
Wynyard	-	51.77	104.20	561	AES	A	1951-1980	1.4	18.0	Jul	-19.0	Jan	140.1	Mar	18.0	Sep-May	0.01
Saskatoon SRC	-	52.15	106.60	497	other	A	01/1980-12/1980	2.4	8.6	na	-3.8	na	113.7	Jan	38.0	Dec-Apr	0.00
Saskatoon	-	52.15	106.60	497	AES	I	1951-1980	1.8	18.4	Jul	-19.1	Jan	118.0	Dec	24.7	Oct-Apr	0.01
Hudson Bay	-	52.85	102.38	-	AES	I	1951-1980	0.2	17.3	Jul	-21.3	Dec	172.1	Dec	-	-	0.01
La Ronge A	-	55.10	105.30	369	AES	I	1951-1980	-0.8	16.7	Jul	-22.6	Jan	163.7	Mar	48.9	Sep-May	0.01
Cree Lake	-	57.72	106.28	-	AES	I	1951-1980	-2.7	15.6	Jul	-25.1	Jan	202.3	Dec	44.8	Sep-May	0.01
MANITOBA																	
Winnipeg	-	49.88	97.17	-	AECL	I	1931-1933	2.7	na	na	na	na	na	na	-	-	0.00
Winnipeg Int'l A	-	49.90	97.23	240	AES	I	1951-1980	2.2	19.6	Jul	-19.3	Jan	125.5	Jan	30.4	Sep-May	0.01
Whiteshell Nuclear Res. Est	Near Pinawa, Man.	50.18	96.05	-	other	I	07/74-06/75	5.6	24.5	Jul	-6.2	Jan	na	na	-	-	0.00
Gimli	-	50.63	96.98	-	AES	I	1951-1980	1.1	18.6	Jul	-20.2	Jan	156.5	Jan	-	-	0.01
Pasquia Project	-	53.75	101.63	-	AES	A	1951-1980	-0.8	17.4	Jul	-22.9	Jan	117.7	Nov	-	-	0.01
Thompson	-	55.75	97.87	-	AES	A	1951-1980	-3.9	15.6	Jul	-26.6	Jan	235.5	Nov	54.0	Sep-Jun	0.01
Thompson	E	55.80	97.87	200	DBR	I	01/1969 - 12/1969	-3.3	na	na	na	na	na	na	-	-	0.00
Thompson	D	55.80	97.87	200	DBR	I	01/1969 - 12/1969	-3.3	na	na	na	na	na	na	-	-	0.00
Thompson	A	55.80	97.87	200	DBR	I	01/1969 - 12/1969	-3.3	na	na	na	na	na	na	-	-	0.00
Thompson	B	55.80	97.87	200	DBR	I	01/1969 - 12/1969	-3.3	na	na	na	na	na	na	-	-	0.00
Thompson	C	55.80	97.87	200	DBR	I	01/1969 - 12/1969	-3.3	na	na	na	na	na	na	-	-	0.00
Charlebois Siding	R69-2-6 Peat Plateau	56.69	94.07	98	EBA	I	12/1976-08/1977	-	-	-	-	-					1.00
Charlebois Siding	R69-2-7 Fen	56.69	94.07	98	EBA	I	03/1977-08/1977	-	-	-	-	-					1.00
Charlebois Siding	R69-2-11 Peat Plateau	56.69	94.07	98	EBA	I	05/1977-08/1977	-	-	-	-	-					4.50
Nelson River	R68-1-1 River Bank	56.48	94.14	83	EBA	I	May-77	-	-	-	-	-					1.00

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION (metres a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL	MAX THICKNESS OF SNOWCOVER	DURATION OF SNOWCOVER	DEPTH (metre)
S of Pennycuttaway River	R65-4-3 Peat Plateau	56.10	93.30	100	EBA	I	05/1977-08/1977	-	-	-	-	-					3.00
N of Gods River	R59-1-1 Peat Plateau	55.40	92.60	98	EBA	I	05/1977-08/1977	-	-	-	-	-					6.00
N of Gods River	R59-1-4 Peat Plateau	55.40	92.60	98	EBA	I	05/1977-08/1977	-	-	-	-	-					3.00
ONTARIO																	
Ottawa	-	45.38	75.72	79	AES	A	1951-1980	5.9	20.6	Jul	-10.8	Jan	205.5	Dec	43.6	Oct-Apr	0.00
Perch Lake, Chalk R	-	46.05	77.43	-	AECL	I	1970-1975	3.9	18.9	Jul	-13.3	Jan	na	na	-	-	0.00
Atikokan	-	48.75	91.62	393	AES	I	1951-1980	1.1	15.8	Jul	-18.4	Jan	237.4	Jan	56.8	Oct-May	0.01
Kapuskasing	-	49.40	82.43	218	AES	A	1951-1980	0.6	16.9	Jul	-18.6	Jan	283.8	Nov	66.1	Oct-May	0.01
QUEBEC																	
Ste Anne De Bellevue	-	45.42	73.98	-	AES	A	1951-1980	6.0	20.7	Jul	-10.4	Jan	194.0	Dec	40.1	Nov-Apr	0.00
St Augustin	-	46.73	71.50	58	AES	I	1951-1980	4.5	19.4	Jul	-11.7	Jan	337.1	Dec	92.7	Nov-Apr	0.00
Foret Montmorency	-	47.27	71.17	-	AES	A	1951-1980	0.6	14.7	Jul	-14.7	Jan	530.6	Jan	109.6	Oct-May	0.00
La Pocatiere	-	47.35	70.03	31	AES	A	1951-1980	4.2	18.7	Jul	-11.3	Jan	308.3	Dec	62.5	Oct-Apr	0.00
Val D'or	-	48.05	77.78	-	AES	A	1951-1980	1.3	17.1	Jul	-16.8	Jan	310.4	Dec	82.1	Oct-May	0.00
Caplan	-	48.10	65.68	-	AES	I	1951-1980	4.2	17.7	Jul	-9.6	Jan	252.6	Jan	42.4	Nov-May	0.00
Normandin	-	48.83	72.58	-	AES	A	1951-1980	0.9	16.9	Jul	-18.0	Jan	273.1	Jan	58.1	Oct-May	0.00
Normandin	-	48.85	72.53	137	AES	I	1964-1968	5.6	na	na	na	na	na	na	-	-	0.00
Kuujjuaq A	-	58.10	68.42	36	AES	I	1951-1980	na	na	na	na	na	na	na	73.5	Sep-Jun	0.00
Kangiqsualujjuaq	Till	58.50	65.50	100	other	A	08/84-03/87	-5.7	10	July	-20	Jan	200	-	-	-	0.10
Kangiqsualujjuaq	Tidal Marsh	58.50	65.50	-	other	A	08/84-09/86	-5.7	10	July	-20	Jan	200	-	-	-	0.15
Kangiqsualujjuaq	Tidal Flat	58.50	65.50	-	other	A	08/84-11/86	-5.7	10	July	-20	Jan	200	-	-	-	0.27
Quaqtaq	rock	61.03	69.50	30	Other	A	07/88-12/92	-8	-	-	-	-	175	-	-	-	1.00
Salluit	rock	62.25	75.50	230	Other	A	06/87-12/93	-8	-	-	-	-	175	-	-	-	1.00
Salluit	till	62.25	75.50	220	Other	A	06/87-12/93	-8	-	-	-	-	175	-	-	-	0.25
Salluit	silt	62.25	75.50	225	Other	A	06/87-12/93	-8	-	-	-	-	175	-	-	-	0.25
Tasiujaq	rock	58.70	70.00	45	Other	A	10/88-12/89	-5.2	-	-	-	-	250	-	-	-	1.00
Schefferville-3	Timmins 4	54.80	66.82		other	I	1974-1977	-5	12.4	Jul	-23.4	Jan	415	Nov	85.0	Aug-May	0.30
NEWFOUNDLAND																	
Goose	-	53.32	60.42	44	AES	A	1951-1980	0.0	15.7	Jul	-16.4	Jan	445.2	Jan	119.3	Sep-Jun	0.00
St. John's W	-	47.57	52.72	-	AES	A	1951-1980	5.0	15.6	Jul	-4.3	Feb	369.9	Jan	44.8	Oct-Jun	0.00
Knob Lake	-	54.75	66.78	-	DBR	I	01/1955-12/1955	-3.1	12.2	Jul	-21.7	Feb	na	na	-	Oct-Apr	0.00

GROUND TEMPERATURE AVAIL.

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH
NORTHWEST TERRITORIES/NUNAVUT																						
Arctic Islands																						
Mould Bay A	-	-	-	-	-	-	-	-	-	-	-	-	0.05	-14.20	5.40	Jul	-25.90	Feb	0.10	-14.40	3.40	Jul
Resolute	-	-	-	-	-	-	0.01	-12.10	3.90	Jul	-22.20	Feb	0.05	-9.90	5.90	Jul	-20.20	Mar	0.10	-10.80	3.60	Jul
Alert	1	-14.00	na	na	na	na	1.50	na	-4.90	na	-23.00	na	-	-	-	-	-	-	-	-	-	-
Alert	2	-16.40	na	na	na	na	1.50	na	-4.20	na	-28.20	na	-	-	-	-	-	-	-	-	-	-
Alert	3	-15.70	na	na	na	na	2.40	na	-10.60	na	-19.60	na	-	-	-	-	-	-	-	-	-	-
Alert	4	-16.50	na	na	na	na	1.50	na	-3.70	na	-27.20	na	-	-	-	-	-	-	-	-	-	-
Alert	5	-16.00	na	na	na	na	1.50	na	-4.40	na	-25.60	na	-	-	-	-	-	-	-	-	-	-
Rea Pt.		-14.80	-3.00	Aug	-26.00	April	3.00	-16.70	-10.00	Aug., Oct	-24.50	April	5.00	-17.60	-11.00	Oct.	-23.00	May	7.00	-17.40	-12.00	Oct.
Iqaluit Permafrost Site		-10.50	6.00	Aug	-27.00	Feb	1.00	-10.50	2.00	Aug	-23.00	Mar	1.50	-10.00	0.00	Sept	-20.00	Apr	2.00	-10.50	-2.00	Oct
Hot Weather Creek	HWC.STN	-16.00	11.86	Jul	-36.19	Feb	0.10	-14.98	9.59	Jul	-32.91	Mar	0.20	-15.46	5.96	Jul	-32.30	Mar	0.50	-15.30	2.61	Aug
Mackenzie Delta Region																						
Inuvik	I1	-	-	-	-	-	0.03	0.70	24.00	Aug	-13.00	Mar	0.05	0.20	21.90	Aug	-13.10	Mar	0.10	-0.40	16.80	Jul
Inuvik	I2	-	-	-	-	-	0.03	-1.10	17.50	Aug	-17.50	Feb	0.05	-0.40	15.40	Aug	-16.50	Feb	0.10	-1.50	15.00	Jul
Inuvik	I3	-	-	-	-	-	0.03	-0.80	16.90	Jul	-13.90	Mar	0.05	-0.40	13.60	Jul	-13.80	Mar	0.10	-1.10	9.70	Jul
Inuvik	I4	-	-	-	-	-	0.03	-1.00	15.50	Aug	-11.40	Mar	0.05	-1.20	13.00	Aug	-11.10	Mar	0.10	-1.50	10.30	Aug
Inuvik	I5	-	-	-	-	-	0.03	0.50	20.10	Aug	-10.80	Mar	0.05	0.10	17.10	Aug	-10.50	Mar	0.10	-0.40	12.20	Aug
Inuvik	I6	-	-	-	-	-	0.03	-1.30	16.60	Aug	-14.10	Feb	0.05	-1.60	14.80	Aug	-13.90	Feb	0.10	-2.40	11.20	Aug
Inuvik	I7	-	-	-	-	-	0.03	-2.20	13.60	Aug	-16.30	Mar	0.05	-2.10	11.80	Aug	-16.10	Mar	0.10	-2.50	9.10	Aug
Inuvik	I8	-	-	-	-	-	0.03	-1.70	12.00	Aug	-14.20	Mar	0.05	-2.40	10.10	Aug	-13.80	Mar	0.10	-3.00	7.00	Aug
Williams Island,50km NW of Inuvik	#1	-1.50	7.80	Aug	-7.90	Mar	1.50	-2.00	-0.10	Oct	-4.50	Apr	3.00	-1.20	-0.40	Dec	-2.50	Jun	6.00	-0.50	-0.20	Dec
Williams Island,50km NW of Inuvik	#2	0.50	6.10	Aug	2.40	Sep	1.50	0.30	2.40	Sep	-0.60	Jun	3.00	0.40	1.10	Oct	-0.20	Jul	6.00	0.00	0.10	Apr
Williams Island,50km NW of Inuvik	#3	-0.40	5.30	Aug	-3.80	Mar	1.50	-0.50	-0.20	Dec	-0.90	Jun	3.00	-0.10	0.00	Feb	-0.10	Oct	6.00	-0.10	-0.10	Aug
Williams Island,50km NW of Inuvik	#4	-3.30	3.20	Aug	-9.00	Mar	1.50	-3.20	-0.80	Nov	-6.90	Apr	3.00	-3.10	-1.20	Dec	-5.50	May	6.00	-2.60	-2.10	Feb
Williams Island,50km NW of Inuvik	#5	-4.80	0.50	Sep	-10.20	Mar	1.50	-4.40	-1.10	Oct	-8.40	Apr	3.00	-4.20	-2.10	Dec	-6.80	May	6.00	-3.80	-3.00	Jan
Lousy Point	BH91-6	-2.80	6.31	Sep	-11.91	Apr	1.50	-5.93	-1.86	Sep	-10.00	Apr	3.00	-7.63	-3.65	Sep	-11.62	Apr	6.00	-8.34	-6.24	Sep
Lousy Point	BH91-8	-8.01	0.45	Sep	-16.47	Apr	1.50	-7.79	-2.80	Sep	-12.79	Apr	3.00	-8.31	-5.18	Sep	-11.47	Apr	6.00	-9.46	-7.30	Sep
Lousy Point	BH91-10	-0.61	8.05	Sep	-9.28	Apr	1.50	-4.72	-0.47	Sep	-8.97	Apr	3.00	-4.48	-2.21	Sep	-6.76	Apr	9.00	-3.80	-3.34	Sep
Lousy Point	BH91-11	-6.78	-0.03	Sep	-13.53	Apr	1.50	-7.74	-2.17	Sep	-13.31	Apr	3.00	-8.46	-4.43	Sep	-12.50	Apr	6.00	-8.89	-6.97	Sep
Lousy Point	BH91-12	-4.52	2.05	Sep	-11.10	Apr	1.50	-4.42	1.81	Sep	-10.56	Apr	3.00	-5.17	-0.12	Sep	-10.22	Apr	6.00	-7.03	-4.43	Sep
Lousy Point	BH91-13	-1.35	9.61	Sep	-6.91	Apr	1.50	-4.50	-0.18	Sep	-8.82	Apr	3.00	-5.48	-1.84	Sep	-9.12	Apr	6.00	-7.05	-4.99	Sep
Lousy Point	BH91-15	-5.06	1.34	Sep	-11.47	Apr	1.50	-5.75	-0.47	Sep	-11.03	Apr	3.00	-6.31	-3.80	Sep	-8.82	Apr	6.00	-6.28	-5.37	Sep
Parsons Lake	C6	-7.38	10.69	Jul	-19.57	Feb	0.05	-7.35	9.48	Jul	-18.94	Feb	0.10	-7.29	7.63	Jul	-18.08	Feb	0.20	-7.28	5.28	Jul
Other NWT/Nunavut																						

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH
Fort Smith	-	-	-	-	-	-	-	-	-	-	-	-	0.05	4.00	17.60	Jul	-5.70	Jan	0.10	3.80	17.00	Jul
Fort Simpson	FS #1	0.80	-	-	-	na	0.80	na	12.00	na	-1.30	na	3.00	1.80	-	-	-	-	4.60	1.24	-	-
Fort Simpson	FS #2	1.30	-	-	-	na	0.80	na	>6	na	-5.00	na	3.00	1.80	-	-	-	-	4.60	1.33	-	-
Fort Simpson	FS #3	1.30	-	-	-	na	0.80	na	>10	na	-0.80	na	3.80	1.42	-	-	-	-	5.30	1.11	-	-
Fort Simpson	-	1.60	-	-	-	-	0.01	2.40	18.50	Jul	-8.60	Jan	0.05	-	-	-	-	-	0.10	2.00	16.30	Jul
Yellowknife	1) black rock	1.00	na	na	na	na	5.00	0.90	na	na	na	na	10.00	1.10	na	na	na	na	15.00	1.10	na	na
Yellowknife	2) white rock	0.50	na	na	na	na	5.00	0.60	na	na	na	na	-	0.50	-	-	na	na	15.00	0.60	na	na
Yellowknife	3) red rock	1.50	na	na	na	na	5.00	1.40	na	na	na	na	-	1.30	-	-	na	na	15.00	1.50	na	na
Yellowknife	4) till	2.20	na	na	na	na	5.00	1.30	na	na	na	na	-	1.10	-	-	na	na	15.00	1.20	na	na
Yellowknife	5) beach ridge	0.00	na	na	na	na	5.00	0.60	na	na	na	na	-	0.80	-	-	na	na	15.00	0.80	na	na
Yellowknife	6) burned peatland	0.30	na	na	na	na	5.00	0.00	na	na	na	na	-	0.30	-	-	na	na	15.00	0.50	na	na
Yellowknife	7) sedge peatland	-0.60	na	na	na	na	5.00	-0.40	na	na	na	na	-	-0.20	-	-	na	na	15.00	-0.20	na	na
Yellowknife	8) spruce peatland	-2.10	na	na	na	na	5.00	-0.90	na	na	na	na	-	-0.70	-	-	na	na	15.00	-0.60	na	na
Baker Lake A	-	-	-	-	-	-	0.01	-9.70	11.80	Jul	-28.60	Feb	0.05	-7.70	13.00	Jul	-25.70	Feb	0.10	-8.70	10.10	Jul
Baker Lake	Hole 1	-10.28	4.69	Jul	-25.25	Feb	1.00	-10.18	1.49	Aug	-21.84	Feb	1.50	-10.18	-0.17	Sep	-20.18	Feb-Mar	2.00	-9.60	-1.09	Oct
Baker Lake	Hole 3	-7.29	5.80	Aug	-20.37	Feb	1.00	-8.22	1.72	Aug-Sep	-18.15	Feb	1.50	-8.81	-0.20	Sep	-17.41	Feb	2.00	-8.24	-1.09	Oct
Baker Lake	Hole 4	-0.705	23.45	Aug	-24.9	Feb	0.5	-6.9	7.6	Aug	-21.4	Jan	1.0	-8.5	3.4	Aug-Sep	-20.3	Feb	1.5	-10.0	0.5	Sep
Canyon Ck North	84-2A	-0.86	0.64	-	-2.35	-	2.00	-0.86	-0.08	-	-1.64	-	3.00	-1.08	-0.54	-	-1.61	-	4.00	-1.00	-0.63	-
Canyon Ck North	84-2B	-3.18	0.48	-	-6.83	-	2.00	-2.81	-0.63	-	-4.98	-	3.00	-2.44	-1.12	-	-3.75	-	4.00	-2.31	-1.61	-
Canyon Ck South	84-2C	-1.91	0.53	-	-4.34	-	2.00	-1.64	-0.43	-	-2.84	-	3.00	-1.43	-0.83	-	-2.02	-	4.00	-1.35	-1.04	-
Norman Wells Pump Stn	84-1	-3.18	-0.37	-	-5.98	-	2.00	-2.39	-0.92	-	-3.85	-	3.00	-2.16	-1.32	-	-3.00	-	5.00	-2.29	-1.73	-
Kee Scarp	HT137	1.82	7.19	-	-3.55	-	2.50	1.99	4.70	-	-0.73	-	5.00	1.34	2.49	-	0.18	-	10.00	0.91	1.18	-
Great Bear R.	84-3A	-2.91	-0.58	-	-5.23	-	1.00	-2.62	-0.90	-	-4.33	-	1.50	-2.52	-1.16	-	-3.88	-	2.00	-2.41	-1.36	-
Great Bear R.	84-3B	-3.30	-0.33	-	-6.26	-	2.00	-2.97	-0.64	-	-5.30	-	3.00	-2.78	-0.97	-	-4.58	-	4.00	-2.56	-1.27	-
Table Mountain	85-7A	-2.53	-0.40	-	-4.65	-	2.00	-1.41	-0.65	-	-2.16	-	3.00	-1.03	-0.75	-	-1.31	-	4.00	-0.94	-0.83	-
Table Mountain	85-7B	-2.13	0.07	-	-4.33	-	2.00	-1.35	-0.62	-	-2.08	-	3.00	-1.28	-0.97	-	-1.58	-	4.00	-1.21	-1.07	-
Table Mountain	85-7C	-2.61	-0.25	-	-4.96	-	2.00	-1.91	-0.84	-	-2.98	-	3.00	-1.58	-1.12	-	-2.03	-	4.00	-1.45	-1.17	-
Trail River	84-4A	2.29	4.61	-	-0.04	-	2.00	1.87	3.48	-	0.27	-	3.00	1.69	2.63	-	0.75	-	4.00	1.63	2.14	-
Trail River	84-4B	-0.09	6.67	-	-6.85	-	2.00	1.74	5.72	-	-2.24	-	3.00	1.78	4.19	-	-0.64	-	4.00	1.53	3.02	-
Manners Ck.	85-8A	-1.34	-0.09	-	-2.59	-	2.00	-0.64	-0.27	-	-1.00	-	3.00	-0.54	-0.30	-	-0.78	-	4.00	-0.44	-0.32	-
Manners Ck.	85-8B	-1.12	0.43	-	-2.67	-	2.00	-0.84	-0.05	-	-1.63	-	3.00	-0.18	-0.01	-	-0.35	-	4.00	-0.01	0.03	-
Manners Ck.	85-8C	-0.29	-0.08	-	-0.50	-	2.00	-0.18	-0.10	-	-0.26	-	3.00	-0.10	-0.04	-	-0.16	-	4.00	0.00	0.04	-
N Wells PumpStn3	85-9	1.66	4.69	-	-1.38	-	2.00	1.56	3.02	-	0.09	-	3.00	1.50	2.40	-	0.59	-	4.00	1.41	1.94	-
Mackenzie Hwy S	85-10A	0.71	2.83	-	-1.41	-	2.00	0.85	1.58	-	0.11	-	3.00	0.92	0.40	-	1.44	-	4.00	0.94	1.29	-
Mackenzie Hwy S	85-10B	-0.49	2.91	-	-3.89	-	1.00	-0.85	-0.15	-	-1.54	-	1.50	-0.28	-0.09	-	-0.46	-	2.00	-0.05	0.00	-
Moraine South	85-11	1.34	7.05	-	-4.37	-	1.00	0.01	2.48	-	-2.43	-	1.50	-0.41	0.10	-	-0.92	-	2.00	-0.31	-0.13	-
Jean Marie Ck.	85-12A	2.18	7.69	-	-3.33	-	1.00	0.41	2.90	-	-2.09	-	1.50	0.10	1.54	-	-1.35	-	2.00	0.08	1.01	-
Jean Marie Ck.	85-12B	0.49	6.02	-	-5.04	-	1.00	-1.18	-0.09	-	-2.27	-	1.50	-0.71	-0.18	-	-1.24	-	2.00	-0.40	-0.11	-
Gibson Gap		-0.63	-0.22	Oct	-1.85	Apr	2.50	-0.35	0.15	Mar	-0.75	Sep	5.00	-0.79	-0.68	Mar	-0.91	Sep	15.00	-1.28	-1.17	July
Norman Wells	NW #1	-2.40	6.40	na	</= -7.2	na	0.80	-0.43	6.35	Aug	-7.24	Feb	1.50		0.03	Oct	<=-3.73		2.30	-	-0.36	Oct
Norman Wells	NW #2	-2.80	-0.30	na	</= -4.2	na	0.80	-2.23	-0.28	Oct	-4.19	Feb	1.50	-	-0.89	Dec	<=-2.43	-	2.30	-	-1.36	Jan
Norman Wells	NW #3	-2.80	0.60	na	-4.80	na	0.80	-2.16	0.56	Aug	-4.78	Mar	1.50	-2.03	-0.51	Oct	-3.56	Mar	3.00	-	-1.12	Jan
Norman Wells	NW #4	-2.90	0.40	na	</= -3.2	na	0.80	-1.40	0.41	Nov	-3.20	Feb	1.50	-	-0.77	Dec	<=-1.75	-	2.30	-	-0.74	Dec
Norman Wells	NW #5	-2.20	3.00	na	</= -5.2	na	0.80	-1.10	3.03	Aug	-5.21	Feb	1.50	-	-0.34	Oct	<=-3.24	-	2.30	-	-0.92	Dec
Norman Wells	NW #6	-1.10	4.60	na	</= -0.1	na	0.80	-	4.64	Aug	<=-.08	-	1.50	-	-3.00	Oct	<=-.8	-	2.30	-	>=-.52	-

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH
Norman Wells	NW #7	-1.30	0.00	na	</= -5.0	na	0.80	-2.50	0.01	Sep	-5.01	Feb	1.50	-	-0.41	Dec	<=-3.21	-	2.30	-	-0.60	Dec
Fort Good Hope	FGH #1	-0.10	-	-	-	na	0.80	0.80	2.00	Aug	-0.39	Apr	1.50	-0.25	-0.10	Oct	-0.41	May	2.30	-0.21	0.00	Oct
Fort Good Hope	FGH #3	-1.00	-	-	-	na	0.80	-2.40	0.20	na	-5.00	-	3.00	-1.55	-0.51	Oct	-2.59	Apr	4.60	-1.70	-0.95	Nov
Fort Good Hope	FGH #2	-2.00	-	-	-	na	0.80	-3.19	-0.01	Oct	-6.37	Feb	1.50	-2.75	-0.46	Nov	-5.04	Feb	2.30	-1.80	-0.76	Nov
Fort Good Hope	FGH #4	-1.30	-	-	-	na	0.80	-1.60	1.60	Aug	-4.80	Mar	1.50	-2.10	-0.24	Oct	-3.95	Mar	3.00	-1.59	-0.83	Dec
Fort McPherson site	MP #1	-2.50	-	-	-	na	0.80	-1.65	6.00	na	-9.30	-	2.00	-4.10	-	-	-	-	2.70	-3.70	-	-
Fort McPherson site	MP #2	-4.80	-	-	-	na	0.80	-2.00	9.00	na	-13.00	-	2.00	-5.75	-	-	-	-	5.00	-5.30	-	-
Fort McPherson site	MP #3	-3.40	-	-	-	na	0.80	-2.70	2.10	na	-7.50	-	2.30	-3.25	-	-	-	-	3.80	-3.01	-	-
Great Bear River	C12	-0.50					0.05	-0.45					0.10	-1.37	8.46	Jul	-10.96	Feb	0.20	-2.04	4.32	Aug
Pump Stn 1	C10	-1.00					0.05	-0.59					0.10	-0.67					0.20	-0.88		
Tulita (10 km North)	SEEDS control site	6.05	19.9		-3.96		0.1	3.82	14.34		-2.37		0.5	-0.24	0.05		-0.61		2	-0.31	0.02	
Norman Wells	Hole #7		28.1		-13.6		0.15		12.9		-12.4		0.3	-2	7.6		-11.6		0.61	-4.1	3.9	
Norman Wells	Hole #10		30.5		-12		0.15	-0.3	9.6		-10.2		0.3	-1.4	6		-8.8		0.61	-3	1.4	
Norman Wells	Hole #12		26.5		-7.2		6.17	-1.2	-1		-1.3		12.27	-0.4	-0.4		-0.5		18.36	0.05	0.1	
Norman Wells	Hole #13		12.6		-2.2		6.17	-0.5	-0.4		-0.6		12.27	-0.2	-0.1		-0.2		18.36	0.15	0.2	
Norman Wells	Hole #14	-0.2					7	-0.1					12	-0.05					20	0.11		
Norman Wells	Hole #17		15.7		-4.3		3.12	0.35	0.7		0		6.17	0.1	0.2		0.1		9.22	0.15	0.2	
Norman Wells	Water Treatment Plant	-0.26					4	-0.755	7				7	-1.005					12	-1.12		
Norman Wells	Hockey Arena	-0.695					4	-1.06					6	-1.245					8	-1.37		
Manners Ck.	undisturbed site	0.2					0.025	0.4	14.7	Jul	-11.3	Jan	0.5	0.2	3.1	Aug	-1.6	Jan-Feb	1.5	-0.25		
YUKON																						
Haines Junction	-	-	-	-	-	-	0.01	2.30	14.80	Jul	-6.50	Jan	0.05	2.20	13.90	Jul	-6.40	Jan	0.10	2.00	13.00	Jul
Watson Lake A	-	-	-	-	-	-	0.01	-	-	-	-	-	0.05	3.90	18.20	Jul	-6.00	Jan	0.10	3.80	17.50	Jul
Tuichita	Peat plateau	5.60	-	-	-	-	1.10	-0.12	-	-	-	-	-	-	-	-		-	-	-	-	-
Mayo	Glaciolacustrine A	-2.30	-	-	-	-	3.00	-2.30	-	-	-	-	4.00	-2.00	-	-	-	-	5.00	-1.70	-	-
Mayo	Glaciolacustrine B	-2.00	-	-	-	-	3.00	-2.00	-	-	-	-	4.00	-1.90	-	-	-	-	5.00	-1.80	-	-
Mayo	Alluvial C	-0.70	-	-	-	-	3.00	-0.70	-	-	-	-	4.00	-0.50	-	-	-	-	5.00	-0.50	-	-
BRITISH COLUMBIA																						
Prince George A	-	-	-	-	-	-	-	-	-	-	-	-	0.05	6.60	17.00	Jul	-1.00	Jan	0.10	6.20	16.00	Jul
Summit Lake A	Summit Pass	-1.00	8.00	-	-10.00	-	0.50	-1.50	5.00	-	-8.00	-	1.50	-2.00	2.00	-	-6.00	-	3.50	-1.80	0.00	-
Summit Lake B	Upper Testa R	1.77	-	-	-	-	28.70	1.74	-	-	-	-	30.70	1.90	-	-	-	-	-	-	-	-
Summit Lake C	Lower Testa R	0.56	-	-	-	-	16.45	0.65	-	-	-	-	18.45	0.48	-	-	-	-	20.45	0.52	-	-
Summit Lake D	Mill Ck	1.71	-	-	-	-	14.80	1.85	-	-	-	-	16.80	0.00	-	-	-	-	-	-	-	-
Summit Lake E	Steamboat	1.55	-	-	-	-	13.00	1.79	-	-	-	-	15.00	1.97	-	-	-	-	17.00	1.94	-	-
ALBERTA																						
Lethbridge	-	-	-	-	-	-	0.05	8.20	22.00	Jul	-3.70	Jan	0.10	7.90	21.00	Jul	-3.50	Jan	0.20	7.70	19.80	Jul
Vauxhall	-	9.00	25.80	Jul	-5.20	-	0.05	8.00	23.60	Jul	-5.40	Jan	0.10	7.90	22.50	Jul	-4.70	Jan	0.20	7.70	21.20	Jul

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH
LaCombe	-	-	-	-	-	-	0.05	6.30	20.00	Jul	-3.70	Jan	0.10	6.40	19.20	Jul	-3.00	Jan	0.20	6.20	17.70	Jul
Ellerslie	-	-	-	-	-	-	0.01	5.30	18.30	Aug	-5.80	Jan	0.05	4.50	17.00	Jul	-5.30	Jan	0.10	5.00	17.50	Jul
Ellerslie Soil Sci Res Stn	10km S of Edmonton	5.50	10.00	Sep	1.50	Apr	6.00	5.30	6.30	Dec	4.30	Jul	9.00	~5.1	-	-	-	-	12.00	5.0 +/- 0.5	-	-
Vegreville	-	-	-	-	-	-	0.05	4.90	18.00	Jul	-6.30	Jan	0.10	4.50	16.80	Jul	-5.80	Jan	0.20	4.60	16.10	Jul
Edson A	-	-	-	-	-	-	0.01	-	-	-	-	-	0.05	4.10	14.60	Jul	-3.80	Jan	0.10	5.40	16.00	Jul
Beaverlodge	-	5.30	18.00	Jul	-2.10	Mar	0.25	5.20	14.50	Jul	-1.10	Feb	-	-	-	-	-	-	-	-	-	-
Beaverlodge	-	-	-	-	-	-	0.01	-	-	-	-	-	0.05	4.70	15.80	Jul	-4.10	Jan	0.10	4.50	15.00	Jul
Slave Lake	-	-	-	-	-	-	0.05	5.40	18.10	Jul	-6.10	Jan	0.10	5.10	16.80	Jul	-5.40	Jan	0.20	5.40	16.80	Jul
Peace River	-	-	-	-	-	-	0.05	5.50	18.30	Jul	-5.10	Jan	0.10	5.10	17.60	Jul	-4.80	Jan	0.20	5.10	16.50	Jul
Fort Vermilion	-	5.20	21.00	Jul	-6.30	Jan	0.05	6.40	20.90	Jul	-4.10	Jan	0.10	5.40	19.40	Jul	-4.70	Jan	0.20	5.40	18.20	Jul
Plateau Mtn	#2	-1.00	5.00	-	-1.00	-	1.50	-0.50	4.00	-	-5.00	-	2.25	-0.50	4.00	-	-4.00	-	3.00	-0.75	2.00	-
Marmot Basin	#1	-1.00	-0.40	-	-1.60	-	14.02	-1.00	-0.40	-	-1.70	-	10.97	-1.50	-0.40	-	-2.60	-	17.07	-1.30	-	-
Petitot River N	84-5A	-0.06	-0.02	-	-0.09	-	2.00	-0.47	-0.02	-	-0.91	-	3.00	-0.20	-0.06	-	-0.34	-	4.00	-0.19	-0.05	-
Petitot River N	84-5B	-1.21	-0.06	-	-2.35	-	2.00	-0.79	-0.20	-	-1.37	-	3.00	-0.33	-0.20	-	-0.46	-	4.00	-0.36	-0.24	-
Petitot River S	84-6	-0.05	-0.02	-	-0.08	-	2.00	-0.16	-0.11	-	-0.20	-	3.00	-0.22	-0.18	-	-0.26	-	4.00	-0.15	-0.13	-
Plateau Mtn	Blocky slope	-5.7	1.2	July	-12	Feb	0.07	-5.9	0.8	Aug	-12	Feb	0.27	-6	-0.3	Aug	-12	Feb	0.47	-5.2	-0.5	Aug
Plateau Mtn	Loess pocket	-1.6	3.8	June	-4.8	Jan	0.07	-2	2.1	July	-4.3	Feb	0.17	-0.8	1.4	July	-2.3	Feb	0.27	-0.1	1	July
SASKATCHEWAN																						
Swift Current A	-	-	-	-	-	-	0.05	5.40	17.70	Jul	-5.30	Jan	0.10	5.30	17.10	Jul	-5.30	Jan	0.20	5.40	16.10	Jul
Swift Current	-	6.90	28.40	Jul	-10.50	Jan	-	-	-	-	-	-	-	-	-	-	-	-	0.50	6.20	18.20	Aug
Swift Current	-	-	-	-	-	-	0.05	6.00	22.50	Jul	-10.20	Jan	0.10	5.80	20.90	Jul	-9.20	Jan	0.20	5.60	19.60	Jul
Broadview	-	-	-	-	-	-	0.05	5.50	19.40	Jul	-5.40	Feb	0.10	5.30	18.00	Jul	-4.50	Feb	0.20	5.30	17.20	Jul
Regina	-	-	-	-	-	-	0.05	5.30	19.80	Aug	-8.10	Jan	0.10	4.90	18.20	Aug	-7.20	Jan	0.20	4.80	17.40	Aug
Yorkton A\	-	-	-	-	-	-	0.05	4.90	18.50	Jul	-7.30	Jan	0.10	4.50	17.40	Jul	-6.80	Jan	0.20	4.50	16.60	Jul
Kindersley	-	-	-	-	-	-	0.05	6.10	19.40	Jul	-4.90	Jan	0.10	5.90	18.40	Jul	-4.10	Jan	0.20	5.90	17.40	Jul
Outlook	-	-	-	-	-	-	0.05	6.40	22.10	Jul	-8.90	Jan	0.10	5.60	21.20	Jul	-9.10	Jan	0.20	5.60	20.00	Jul
Wynyard	-	-	-	-	-	-	0.05	4.10	17.80	Jul	-8.70	Jan	0.10	4.10	16.30	Jul	-7.40	Jan	0.20	4.30	15.20	Jul
Saskatoon SRC	-	-	-	-	-	-	0.01	-	-	-	-	-	0.05	4.60	19.10	Jul	-9.00	Dec	0.10	5.40	19.90	Jul
Saskatoon	-	-	-	-	-	-	0.05	4.90	19.60	Jul	-9.20	Jan	0.10	5.20	19.70	Jul	-8.70	Jan	0.20	5.10	18.80	Jul
Hudson Bay	-	-	-	-	-	-	0.05	6.00	18.80	Jul	-3.50	Jan	0.10	5.70	16.70	Jul	-2.50	Feb	0.20	5.60	16.00	Jul
La Ronge A	-	-	-	-	-	-	0.05	5.60	17.80	Jul	-2.10	Feb	0.10	5.50	17.00	Jul	-1.80	Feb	0.20	5.30	15.80	Jul
Cree Lake	-	-	-	-	-	-	0.05	1.80	16.40	Jul	-10.50	Feb	0.10	2.00	16.10	Jul	-10.10	Feb	0.20	1.80	15.80	Jul
MANITOBA																						
Winnipeg	-	4.82	18.42	Jun	-6.00	Dec	0.01	5.40	16.40	Jul	3.60	Mar	-	-	-	-	-	-	0.25	5.50	15.90	Aug
Winnipeg Int'l A	-	-	-	-	-	-	0.05	5.90	19.10	Jul	-5.00	Jan	0.10	5.80	18.00	Jul	-4.20	Feb	0.20	5.80	16.90	Aug
Whiteshell Nuclear Res. Est	Near Pinawa, Man	-	-	-	-	-	0.01	5.90	23.20	Jul	-3.80	Jan	0.05	6.20	20.90	Jul	-2.90	Jan	0.10	5.80	19.70	Jul
Gimli	-	-	-	-	-	-	0.05	7.00	20.60	Jul	2.40	Jan	0.10	6.80	19.70	Jul	-2.10	Jan	0.20	6.90	18.50	Jul
Pasquia Project	-	-	-	-	-	-	0.05	6.70	20.30	Jul	-3.50	Jan	0.10	6.30	19.40	Jul	-3.40	Feb	0.20	5.80	18.40	Jul
Thompson	-	-	-	-	-	-	0.05	3.70	15.90	Jul	-3.90	Feb	0.10	3.60	15.30	Jul	-3.70	Feb	0.20	3.30	14.60	Jul
Thompson	E	3.80	na	na	na	na	5.00	2.30	na	na	na	na	-	-	-	-	-	-	-	-	-	-
Thompson	D	-1.10	na	na	na	na	5.00	-0.20	na	na	na	na	-	-	-	-	-	-	-	-	-	-
Thompson	A	0.30	na	na	na	na	5.00	0.90	na	na	na	na	-	-	-	-	-	-	-	-	-	-
Thompson	B	1.10	na	na	na	na	5.00	1.30	na	na	na	na	-	-	-	-	-	-	-	-	-	-
Thompson	C	0.50	na	na	na	na	5.00	0.20	na	na	na	na	-	-	-	-	-	-	-	-	-	-
Charlebois Siding	R69-2-6 Peat Plateau	-0.90					2.00	-1.10					3.00	-0.65					4.50	-0.45		
Charlebois Siding	R69-2-7 Fen	1.10					2.00	1.30					3.00	1.30					5.00	1.55		
Charlebois Siding	R69-2-11 Peat Plateau	~-.9					6.00	~-0.9					9.00	-0.80					12.00	-0.80		
Nelson River	R68-1-1 River Bank	~1.6					6.00	~2.8					9.00	~3.4					12.00	~3.5		

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH
S of Pennycuttaway River	R85-4-3 Peat Plateau	-0.70					4.50	-0.80					9.00	-0.80					12.00	-0.60		
N of Gods River	R59-1-1 Peat Plateau	-0.30					7.50	-0.30					9.00	-0.20					12.20	-0.10		
N of Gods River	R59-1-4 Peat Plateau	-0.50					4.50	-0.50					6.00	-0.40					9.00	-0.30		
ONTARIO																						
Ottawa							0.01	9.40	23.00	Jul	-1.30	Jan	0.05	9.30	21.90	Jul	0.00	Feb	0.10	8.90	20.80	Jul
Perch Lake, Chalk R							0.01						0.05	7.90	19.30	Jul	0.20	Mar	0.10	8.00	19.30	Jul
Atikokan							0.05	5.60	18.30	Jul	-2.40	Jan	0.10	7.70	20.20	Jul	-0.20	Feb	0.20	7.40	19.00	Jul
Kapuskasing							0.05	6.00	18.20	Jul	-1.90	Jan	0.10	5.00	16.40	Jul	-2.20	Feb	0.20	6.70	17.90	Jul
QUEBEC																						
Ste Anne De Bellevue							0.01						0.05	7.40	20.90	Jul	-2.60	Feb	0.10	7.60	20.50	Jul
St Augustin							0.01						0.05	7.70	19.80	Jul	-0.20	Feb	0.10	7.60	19.20	Jul
Foret Montmorency							0.01						0.05	6.10	16.90	Jul	-0.10	Mar	0.10	6.00	16.10	Jul
La Pocatiere							0.01	7.00	19.40	Jul	-1.80	Jan	0.05	7.70	19.30	Jul	-0.80	Jan	0.10	7.30	18.70	Jul
Val D'or							0.01						0.05	6.50	18.70	Jul	-1.60	Feb	0.10	6.50	17.90	Jul
Caplan							0.01						0.05	7.30	19.60	Jul	-1.20	Feb	0.10	7.30	19.10	Jul
Normandin							0.01	6.30	18.10	Jul	-1.20	Jan	0.05	4.60	15.50	Jul	-1.50	Jan	0.10	6.10	16.60	Jul
Normandin		4.80	14.30	Jun	-0.60	Mar													0.50	5.80	14.20	Jul
Kuujuaq A							0.01						0.05	-1.90	15.00	Jul	-18.60	Feb	0.10	-2.30	13.40	Feb
Kangiqsualujuaq	Till	-0.50	15.00	July/Aug	-16.00	Jan/Feb	0.30	-1.00	8.00	Aug	-10.00	Jan	0.50	-2.50	7.50	Aug	-12.50	Jan/Feb	0.70	-2.70	5.50	Aug
Kangiqsualujuaq	Tidal Marsh	3.10	10.70	July/Aug	-4.50	Jan	0.35	2.80	9.70	July/Aug	-4.00	Jan	0.55	1.20	6.00	July/Aug	-3.50	Jan	0.75	1.10	4.70	July/Aug
Kangiqsualujuaq	Tidal Flat	5.20	11.00	Aug	-0.50	Jan	0.87	4.00	7.00	Aug	1.00	Jan	1.27	3.20	5.50	Aug	1.00	Jan				
Quaqtaq	rock	-7.50	7.00		-22.00		3.00	-6.50	2.00		-15.00		6.00	-6.00	-2.00		-10.00		12.00	-4.50	-4.00	
Salluit	rock	-8.50	5.00	July	-22.00	Mar	3.00	-8.50	-1.00	Oct	-16.00	Mar	6.00	-7.50	-4.00	Nov	-11.00	May	12.00	-6.70	-6.00	Feb
Salluit	till	-9.00	10.00		-28.00		0.50	-10.20	5.50		-26.00		1.00	-10.50	1.50		-22.50		3.00	-8.70	-2.50	
Salluit	silt	-13.00	3.00		-29.00		0.50	-12.70	0.50		-26.00		1.00	-11.00	-1.00		-21.00		3.00	-7.70	-3.00	
Tasiujaq	rock	-6.50	8.00		-21.00		3.00	-4.50	4.00		-13.00		6.00	-3.50	0.00		-7.00		12.00	-3.00	-2.00	
Schefferville-3	Timmins 4	2.44	11.90	Jul	-2.10	Feb	0.50	1.94	9.53	Jul	-1.61	Mar	1.00	1.71	7.95	Aug	-1.22	Mar	2.00	1.32	8.07	Aug
NEWFOUNDLAND																						
Goose							0.01						0.05	4.80	17.70	Jul	-3.50	Feb	0.10	4.50	16.80	Jul
St. John's W							0.01	7.20	17.10	Jul	-0.10	Mar	0.05	6.90	16.40	Aug	-0.50	Feb	0.10	6.90	16.00	Aug
Knob Lake																			0.61	3.00	11.30	Aug

GROUND TEMPERATURE AVAIL.

SITE LOCATION	SITE IDENTIFIER	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)
NORTHWEST TERRITORIES/NUNAVUT																								
Arctic Islands																								
Mould Bay A	-	-27.40	Mar	0.20	-14.20	2.50	Jul	-26.10	Mar	0.50	-14.30	1.00	Aug	-25.90	Mar	1.00	-14.30	-0.80	Aug	-25.00	Mar	1.50	-14.30	-2.70
Resolute	-	-20.70	Mar	0.20	-11.30	2.20	Jul	-20.90	Mar	0.50	-11.20	0.70	Aug	-20.10	Mar	1.00	-11.50	-1.50	Aug	-19.30	Apr	1.50	-11.40	-3.00
Alert	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Res Pt		-21.00	May	9.00	-17.20	-14.00	Oct	-19.00	April.May	11.00	-16.60	-15.00	Oct	-18.00	July	13.00	-16.00	-15.00	Oct	-17.00	May/Aug	-	-	-
Iqaluit Permafrost Site		-19.00	Apr	3.00	-9.50	-4.00	Nov	-15.00	Apr	4.00	-9.50	-5.00	Nov	-14.00	May	5.00	-9.00	-5.00	Nov	-13.00	May	-	-	-
Hot Weather Creek	HWC STN	-30.85	Mar	1.00	-16.22	-2.07	Aug	-29.60	Mar															
Mackenzie Delta Region																								
Inuvik	I1	-12.60	Mar	0.20	-0.90	12.20	Aug	-11.90	Mar	0.50	-2.10	6.00	Aug	-10.00	Mar	1.00	-1.10	0.00	na	-7.60	Mar	-	-	-
Inuvik	I2	-15.90	Mar	0.20	-2.50	7.60	Jul	-15.00	Mar	0.50	-2.90	0.20	Sep	-10.70	Mar	1.00	-2.70	-0.30	na	-8.40	Mar	-	-	-
Inuvik	I3	-13.50	Mar	0.20	-2.30	6.80	Aug	12.70	Mar	0.50	-2.80	2.40	Aug	-11.20	Mar	1.00	-3.00	0.40	na	-9.40	Mar	-	-	-
Inuvik	I4	-11.00	Mar	0.20	-1.30	8.10	Aug	-10.50	Mar	0.50	-1.70	5.50	Jul	-9.10	Mar	1.00	-2.10	1.30	Aug	-7.20	Apr	-	-	-
Inuvik	I5	-10.10	Mar	0.20	-1.10	6.80	Aug	-8.80	Mar	0.50	-1.40	0.10	-	-7.20	Mar	1.00	-1.10	0.00	na	-5.20	Mar	-	-	-
Inuvik	I6	-13.70	Feb	0.20	-2.90	6.80	Aug	-13.30	Feb	0.50	-3.40	2.80	Aug	-12.40	Mar	1.00	-3.80	-0.10	na	-11.40	Mar	-	-	-
Inuvik	I7	-15.60	Mar	0.20	-3.10	7.00	Aug	-15.30	Mar	0.50	-3.50	2.90	Aug	-13.30	Mar	1.00	-3.30	-0.30	na	-11.10	Mar	-	-	-
Inuvik	I8	-13.00	Mar	0.20	-3.20	4.10	Aug	-11.10	Mar	0.50	-3.20	0.20	Sep	-10.00	Mar	1.00	-3.10	-0.40	na	-8.50	Mar	-	-	-
Williams Island,50km NW of Inuvik	#1	-0.80	Jul	9.00	0.10	0.10	all	0.10	all	12.00	0.10	0.20	Oct	0.10	all	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#2	-0.10	Jul	9.00	0.00	0.00	all	-0.10	Jun	12.00	0.00	0.00	all	0.00	all	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#3	-0.20	Oct	9.00	-0.20	-0.20	all	-0.20	all	12.00	-0.20	-0.10	Aug	-0.20	all	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#4	-3.60	Jul	9.00	-2.10	-1.90	Mar	-2.40	Aug	12.00	-1.70	-1.70	all	-1.80	Oct	15.00	-1.40	-1.40	all	-1.40	all	-	-	-
Williams Island,50km NW of Inuvik	#5	-4.90	Jul	9.00	-3.20	-2.80	Mar	-3.50	Sep	12.00	-2.70	-2.70	all	-2.70	all	15.00	-2.40	-2.40	all	-2.50	Oct	-	-	-
Lousy Point	BH91-6	-10.44	Apr	9.00	-7.94	-7.06	Sep	-8.82	Apr	12.00	-7.19	-6.89	Sept	-7.35	Apr	15.00	-7.01	-6.68	Sep	-7.35	Apr	18.00	-6.60	-6.45
Lousy Point	BH91-8	-11.62	Apr	9.00	-8.74	-7.93	Sep	-9.55	Apr	12.00	-8.01	-7.64	Sep	-8.38	Apr	15.00	-7.31	-7.20	Apr	-7.43	Sep	18.00	-7.27	-7.20
Lousy Point	BH91-10	-4.26	Apr	12.00	-2.95	-2.67	Sep	-3.23	Apr	15.00	-2.70	-2.65	Apr	-2.75	Sep	18.00	-2.65	-2.65	Apr	-2.66	Sep	21.00	-2.51	-2.50
Lousy Point	BH91-11	-10.81	Apr	9.00	-8.18	-7.54	Sep	-8.82	Apr	12.00	-7.27	-7.20	Sep	-7.35	Sep	15.00	-7.15	-7.06	Apr	-7.25	Sep	18.00	-7.09	-7.06
Lousy Point	BH91-12	-9.13	Apr	9.00	-7.07	-6.06	Sep	-8.09	Apr	12.00	-6.77	-6.70	Sep	-6.84	Apr	15.00	-6.42	-6.10	Apr	-6.74	Sep	18.00	-6.44	-3.25
Lousy Point	BH91-13	-9.12	Apr	9.00	-7.04	-6.30	Sep	-7.79	Apr	12.00	-6.83	-6.47	Sep	-7.20	Apr	15.00	-6.58	-6.28	Sep	-6.91	Apr	18.00	-6.37	-6.12
Lousy Point	BH91-15	-7.20	Apr	9.00	-5.40	-5.22	Apr	-5.58	Sep	12.00	-5.26	-5.22	Apr	-5.30	Sep	15.00	-5.31	-5.29	Apr	-5.34	Sep	18.00	-5.32	-5.29
Parsons Lake	C6	-16.52	Mar	0.50	-7.21	2.32	Aug	-15.71	Mar	1.00	-7.07	-0.49	Sep	-14.26	Mar	1.50	-6.97	-1.13	Oct	-13.19	Mar			
Other NWT/Nunavut																								

SITE LOCATION	SITE IDENTIFIER	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)
Fort Smith	-	-5.80	Feb	0.20	4.00	16.70	Jul	-5.10	Feb	0.50	4.10	14.80	Jul	-3.70	Feb	1.00	3.70	12.10	Aug	-1.20	Mar	1.50	3.80	10.70
Fort Simpson	FS #1	-	-	6.10	1.08	-	-	-	-	7.60	1.02	-	-	-	-	9.10	1.07	-	-	-	-	11.40	1.22	-
Fort Simpson	FS #2	-	-	6.10	1.45	-	-	-	-	7.60	1.58	-	-	-	-	9.10	1.65	-	-	-	-	10.70	1.72	-
Fort Simpson	FS #3	-	-	6.90	1.31	-	-	-	-	8.40	1.46	-	-	-	-	9.90	1.52	-	-	-	-	11.40	1.55	-
Fort Simpson	-	-8.30	Jan	0.20	1.40	14.20	Jul	-7.80	Feb	0.50	1.50	10.20	Aug	-4.70	Feb	1.00	0.90	5.30	Aug	-1.70	Mar	1.50	0.70	3.10
Yellowknife	1) black rock	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	2) white rock	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	3) red rock	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	4) till	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	5) beach ridge	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	6) burned peatland	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	7) sedge peatland	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	8) spruce peatland	na	na	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baker Lake A	-	-26.10	Feb	0.20	-8.60	9.10	Jul	-25.20	Feb	0.50	-7.50	5.90	Aug	-21.00	Feb	1.00	-6.90	3.70	Aug	-18.10	Mar	1.50	-7.00	1.60
Baker Lake	Hole 1	-18.11	Mar	2.50	-9.13	-1.78	Oct	-16.48	Mar	3.00	-9.20	-2.32	Oct-Nov	-16.07	Mar									
Baker Lake	Hole 3	-15.38	Feb	2.50	-7.67	-1.78	Nov	-13.55	Feb-Mar	3.00	-7.86	-2.32	Nov	-13.40	Feb-Mar									
Baker Lake	Hole 4	-20.5	Feb	2.0	-9.9	-0.8	Oct	-19.0	Feb	2.5	-8.6	-1.7	Oct	-15.4	Feb	3.0	-8.3	-2.3	Oct	-14.4	Mar			
Canyon Ck North	84-2A	-1.36	-	-	-	-	-	-1.20	-	6.00	-0.97	-0.83	-	-1.11	-	7.00	-0.95	-0.85	-	-1.05	-	8.00	-0.83	-0.71
Canyon Ck North	84-2B	-3.01	-	-	-	-	-	-2.40	-	8.00	-1.90	-1.76	-	-2.04	-	10.00	-1.70	-1.61	-	-1.79	-	12.00	-1.50	-1.39
Canyon Ck South	84-2C	-1.66	-	-	-	-	-	-1.55	-	8.00	-1.35	-1.25	-	-1.45	-	10.00	-1.24	-1.20	-	-1.27	-	12.00	-1.17	-1.14
Norman Wells Pump Stn	84-1	-2.84	-	-	-	-	-	-2.79	-	7.00	-2.28	-1.95	-	-2.60	-	8.00	-2.26	-2.04	-	-2.47	-	9.00	-2.23	-2.09
Kee Scarp	HT137	0.64	-	-	-	-	-	0.69	-	20.00	0.60	0.63	-	0.56	-	25.00	0.48	0.52	-	0.44	-	30.00	0.34	0.39
Great Bear R.	84-3A	-3.46	-	-	-	-	-	-3.19	-	3.00	-2.42	-1.75	-	-3.08	-	4.00	-2.31	-1.79	-	-2.82	-	5.00	-2.55	-2.03
Great Bear R.	84-3B	-3.85	-	-	-	-	-	-2.87	-	8.00	-2.10	-1.87	-	-2.32	-	10.00	-1.97	-1.88	-	-2.06	-	12.00	-1.79	-1.74
Table Mountain	85-7A	-1.04	-	-	-	-	-	-0.98	-	8.00	-0.95	-0.93	-	-0.96	-	10.00	-0.93	-0.91	-	-0.95	-	12.00	-0.84	-0.83
Table Mountain	85-7B	-1.35	-	-	-	-	-	-1.36	-	8.00	-1.35	-1.32	-	-1.37	-	10.00	-1.34	-1.32	-	-1.35	-	12.00	-1.39	-1.37
Table Mountain	85-7C	-1.72	-	-	-	-	-	-1.35	-	8.00	-1.27	-1.24	-	-1.29	-	10.00	-1.21	-1.19	-	-1.23	-	12.00	-1.20	-1.18
Trail River	84-4A	1.12	-	-	-	-	-	1.46	-	8.00	1.84	1.99	-	1.69	-	10.00	1.93	2.02	-	1.84	-	12.00	1.98	2.01
Trail River	84-4B	0.04	-	-	-	-	-	0.83	-	8.00	1.36	1.85	-	0.86	-	10.00	1.63	1.77	-	1.49	-	12.00	1.65	1.74
Manners Ck.	85-8A	-0.56	-	-	-	-	-	-0.35	-	8.00	-0.28	-0.26	-	-0.30	-	10.00	-0.23	-0.14	-	-0.32	-	12.00	-0.01	0.01
Manners Ck.	85-8B	-0.04	-	-	-	-	-	0.05	-	8.00	0.17	0.31	-	0.02	-	10.00	0.49	0.56	-	0.41	-	12.00	0.68	0.72
Manners Ck.	85-8C	-0.04	-	-	-	-	-	-0.01	-	8.00	0.18	0.35	-	0.01	-	10.00	0.44	0.52	-	0.36	-	12.00	0.65	0.70
N Wells PumpStn3	85-9	0.88	-	-	-	-	-	1.35	-	8.00	1.91	2.22	-	1.60	-	10.00	1.98	2.20	-	1.76	-	12.00	1.98	2.11
Mackenzie Hwy S	85-10A	0.59	-	-	-	-	-	0.95	-	8.00	1.23	1.37	-	1.09	-	10.00	1.40	1.51	-	1.28	-	12.00	1.36	1.43
Mackenzie Hwy S	85-10B	-0.09	-	-	-	-	-	-0.03	-	3.50	0.22	0.26	-	0.17	-	4.50	0.34	0.37	-	0.30	-	5.50	0.41	0.44
Moraine South	85-11	-0.48	-	-	-	-	-	-0.16	-	4.00	0.00	0.04	-	-0.04	-	5.00	0.21	0.27	-	0.15	-	6.00	0.20	0.24
Jean Marie Ck.	85-12A	-0.90	-	-	-	-	-	0.10	-	4.00	0.33	0.45	-	0.20	-	5.00	0.48	0.57	-	0.39	-	6.00	0.52	0.57
Jean Marie Ck.	85-12B	-0.69	-	-	-	-	-	-0.41	-	3.50	-0.05	-0.01	-	-0.08	-	4.50	0.07	0.10	-	0.03	-	5.50	0.20	0.22
Gibson Gap		-1.40	Dec	20.00	-1.42	-1.30	June	-1.59	Feb	25.00	-1.44	-1.30	June	-1.59	Feb	30.00	-1.44	-1.31	Aug	-1.59	Feb	35.00	-1.33	-1.24
Norman Wells	NW #1	<=-2.79		3.00	-	-0.77	Oct	<=-2.41		4.60		-1.44	Dec	<=-2.59	-	6.10	-	-1.90	Jan	<=-2.63	-	7.60	-	-1.89
Norman Wells	NW #2	<=-2.71	-	3.00		-1.71	Jan	<=-3.01	-	4.60	-	-2.00	Jan	<=-2.98	-	6.10	-	-2.27	Jan	<=-2.93	-	7.60	-	-2.24
Norman Wells	NW #3	<=-2.23	-	4.50	-	-1.37	Feb	<=-2.21	-	6.10	-	-1.67	Feb	<=-2.17	-	7.60	-1.91	-1.75	Mar	-2.07	Aug	9.10	-1.87	-1.76
Norman Wells	NW #4	<=-2.44	-	3.00		-1.55	Jan	<=-2.8	-	4.60	-	-1.87	Feb	<=-2.87	-	6.10		-2.25	Feb	<=-2.83	-	7.60	-	>=-2.29
Norman Wells	NW #5	<=-2.13	-	3.00	-	-1.27	Dec	<=-2.41	-	4.60	-	-1.66	Jan	<=-2.59	-	6.10	-	-1.83	Jan	<=-2.45	-	7.60	-	>=-1.94
Norman Wells	NW #6	<=-1.15	-	3.00	-	>=-.59	-	<=-1.24	-	4.60	-	>=-.79	-	<=-1.3	-	6.10	-	>=-.9	-	<=-1.19	-	7.60	-	>=-.97

SITE LOCATION	SITE IDENTIFIER	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)
Norman Wells	NW #7	<=-2.18	-	3.00	-	-0.75	Dec	<=-1.55	-	4.60	-	-0.94	Jan	<=-1.54	-	6.10	-	-1.03	Jan	<=-1.42	-	7.60	-	>=-1.07
Fort Good Hope	FGH #1	-0.43	May	3.00	-22.00	-0.02	Oct	-0.42	Jun	4.60	-0.47	-0.36	Oct	-0.59	Jun	6.10	-0.58	-0.49	Oct	-0.68	Jul	7.60	-0.77	-0.71
Fort Good Hope	FGH #3	-2.44	Apr	6.10	-1.80	-1.35	Jan	-2.20	May	7.60	-1.78	-1.54	Feb	-2.02	May	9.10	-1.79	-1.72	Mar	-1.87	Jun	10.70	-1.75	-1.70
Fort Good Hope	FGH #2	-2.80	Apr	3.00	-1.90	-1.03	Dec	-2.75	Apr	4.60	-1.83	-1.30	Dec	-2.36	Apr	6.10	-1.69	-1.39	Jan	-1.98	May	7.60	-1.59	-1.44
Fort Good Hope	FGH #4	-2.35	Apr	4.60	-1.43	-1.13	Feb	-1.74	Jun	6.10	-1.34	-1.26	Apr	-1.43	Jul	7.60	-1.37	-1.31	Apr	-1.43	Aug	9.10	-1.34	-1.32
Fort McPherson site	MP #1	-	-	3.50	-3.30	-	-	-	-	4.30	-3.05	-	-	-	-	5.80	-2.70	-	-	-	-	7.30	-2.57	-
Fort McPherson site	MP #2	-	-	6.50	-5.04	-	-	-	-	8.10	-4.80	-	-	-	-	9.60	-4.70	-	-	-	-	11.10	-4.78	-
Fort McPherson site	MP #3	-	-	5.30	-3.05	-	-	-	-	6.90	-3.12	-	-	-	-	8.40	-3.20	-	-	-	-	9.90	-3.28	-
Great Bear River	C12	-9.78	Feb	0.50	-2.60	1.16	Aug	-8.57	Feb	1.50	-2.69	-0.69	Nov	-6.29	Mar									
Pump Stn 1	C10			0.50	-1.46					1.00	-1.79					1.50	-2.67	-1.45	Oct	-4.21	Mar			
Tulita (10 km North)	SEEDS control site	-0.87																						
Norman Wells	Hole #7	-10.2		0.91	-3.75	1.5		-9		1.52	-3.7	0.2		-7.6		3.05	-3.35	-1.3		-5.4		10.67	-2.2	-2.1
Norman Wells	Hole #10	-7.5		0.91	-3.4	0.2		-7		1.52	-2.75	-0.5		-6		3.05	-2.6	-1.1		-4.1		10.67	-1.75	-1.6
Norman Wells	Hole #12	0		24.46	0.3	0.4		0.2		30.56	0.55	0.6		0.5		36.65	0.75	0.8		0.7				
Norman Wells	Hole #13	0.1		24.46	0.35	0.4		0.3		30.56	0.55	0.6		0.5		36.65	0.75	0.8		0.7				
Norman Wells	Hole #14			30	0.5																			
Norman Wells	Hole #17	0.1		12.27	0.15	0.2		0.1		15.32	0.15	0.2		0.1		18.36	0.3	0.4		0.2				
Norman Wells	Water Treatment Plant			20	-1.155					30	-1.11													
Norman Wells	Hockey Arena			10	-1.415					12	-1.35					15	-1.34					18	-1.41	
Manners Ck.	undisturbed site																							
YUKON																								
Haines Junction	-	-6.00	Jan	0.20	2.00	11.70	Jul	-5.00	Jan	0.50	2.00	9.50	Aug	-3.10	Feb	1.00	2.00	6.90	Aug	-1.00	Mar	1.50	2.00	5.20
Watson Lake A	-	-5.60	Jan	0.20	3.80	16.90	Jul	-5.20	Jan	0.50	3.70	15.20	Jul	-4.30	Feb	1.00	3.90	13.80	Aug	-2.90	Feb	1.50	4.00	12.20
Tuichita	Peat plateau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Glaciolacustrine A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Glaciolacustrine B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Alluvial C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRITISH COLUMBIA																								
Prince George A	-	-0.70	Jan	0.20	5.80	15.00	Jul	-0.60	Feb	0.50	6.40	14.00	Aug	0.80	Mar	-	-	-	-	-	-	1.50	6.20	10.60
Summit Lake A	Summit Pass	-3.50	-	5.50	-1.80	-1.00	-	-2.50	-	7.50	-1.40	-1.00	-	-1.80	-	11.50	-0.90	-0.80	-	-1.10	-	15.50	-1.01	
Summit Lake B	Upper Testa R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summit Lake C	Lower Testa R	-	-	22.45	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summit Lake D	Mill Ck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summit Lake E	Steamboat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALBERTA																								
Lethbridge	-	-2.70	Jan	0.50	8.00	18.30	Aug	-0.80	Jan	1.00	7.90	15.50	Aug	1.50	Feb	1.50	7.90	13.50	Aug	1.50	Feb	3.00	7.10	10.20
Vauxhall	-	-4.10	Jan	0.50	8.10	19.10	Aug	-1.50	Jan	1.00	8.00	16.90	Aug	0.50	Feb	1.50	7.80	14.90	Aug	1.80	Mar		-	-

SITE LOCATION	SITE IDENTIFIER	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)
LaCombe	-	-2.40	Jan	0.50	6.50	16.20	Jul	-0.80	Feb	1.00	6.50	14.20	Aug	0.60	Mar	1.50	6.40	12.30	Aug	1.60	Mar	3.00	6.10	8.50
Ellerslie	-	-5.10	Jan	0.20	4.90	16.60	Jul	-4.30	Jan	0.50	5.00	14.50	Aug	-2.50	Feb	1.00	4.90	12.90	Aug	-1.20	Mar	1.50	4.90	11.80
Ellerslie Soil Sci Res Stn	10km S of Edmonton	-	-	15.00	5.0 +/- 0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegreville	-	-4.90	Jan	0.50	4.50	14.00	Aug	-2.70	Feb	1.00	4.50	11.60	Aug	-0.30	Mar	1.50	4.60	9.90	Aug	0.70	Apr	3.00	4.60	7.70
Edson A	-	-2.30	Feb	0.20	5.30	15.20	Jul	-1.90	Feb	0.50	5.40	14.30	Aug	-1.00	Feb	1.00	5.30	12.50	Aug	0.20	Mar	1.50	5.20	10.60
Beaverlodge	-	-	-	0.50	5.20	13.70	Aug	-0.70	Feb	0.75	5.10	12.60	Aug	-0.70	Feb	1.00	4.90	11.20	Aug	-0.70	Feb	1.25	5.00	10.60
Beaverlodge	-	-3.50	Jan	0.20	4.60	14.30	Jul	-2.90	Jan	0.50	4.80	13.50	Aug	-1.70	Feb	1.00	4.80	11.10	Aug	0.10	Mar	1.50	4.80	9.70
Slave Lake	-	-4.00	Jan	0.50	5.50	15.30	Aug	-2.30	Jan	1.00	5.70	14.10	Aug	-0.60	Feb	1.50	5.60	12.00	Aug	0.70	Apr	3.00	6.40	9.60
Peace River	-	-3.80	Jan	0.50	4.90	15.90	Jul	-3.60	Jan	1.00	4.50	12.90	Aug	-1.60	Mar	1.50	4.90	10.90	Aug	0.20	Mar	3.00	5.20	8.10
Fort Vermilion	-	-3.80	Jan	0.50	5.50	16.50	Aug	-2.20	Feb	1.00	5.40	14.30	Aug	-0.10	Mar	1.50	5.30	12.30	Aug	1.00	Apr		-	-
Plateau Mtn.	#2	-3.50	-	6.00	-1.20	-0.50	-	-2.00	-	16.00	-1.10	-	-	-	-	30.00	-1.10	-	-	-	-	40.00	-1.10	-
Marmot Basin	#1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petitot River N	84-5A	-0.32	-	6.00	-0.23	-0.19	-	-0.26	-	8.00	-0.16	-0.13	-	-0.19	-	10.00	-0.15	-0.12	-	-0.17	-	12.00	-0.11	-0.08
Petitot River N	84-5B	-0.47	-	6.00	-0.36	-0.27	-	-0.45	-	8.00	-0.29	-0.23	-	-0.34	-	10.00	-0.09	-0.07	-	-0.11	-	12.00	-0.09	-0.08
Petitot River S	84-6	-0.17	-	6.00	0.01	0.03	-	-0.01	-	8.00	0.07	0.08	-	0.06	-	10.00	0.11	0.12	-	0.10	-	12.00	0.25	0.26
Plateau Mtn	Blocky slope	-11	Feb	0.57	-5.6	-1	Aug	-9.7	Feb	0.75	-5.3	-2.2	Aug	-8	Feb									
Plateau Mtn	Loess pocket	-0.7	Feb	0.47	0.1	1	July	-0.3	Mar	0.67	0.3	1	Aug	-0.1	May									
SASKATCHEWAN																								
Swift Current A	-	-3.50	Feb	0.50	5.90	15.30	Aug	-1.60	Feb	1.00	5.40	13.20	Aug	-0.50	Feb	1.50	5.50	11.60	Aug	0.70	Mar	3.00	5.60	9.00
Swift Current	-	-4.00	Jan	1.00	6.10	15.40	Aug	-1.42	Feb	1.50	6.10	13.60	Aug	0.00	Mar	2.00	5.90	12.30	Aug	0.00	Mar	2.50	5.70	11.90
Swift Current	-	-8.40	Jan	0.50	6.00	18.10	Aug	-5.20	Jan	1.00	6.00	15.40	Aug	-2.40	Feb	1.50	5.90	13.70	Aug	-0.90	Mar	3.00	6.20	11.20
Broadview	-	-3.90	Feb	0.50	5.10	15.00	Aug	-2.40	Feb	1.00	5.40	13.90	Aug	-1.00	Mar	1.50	4.80	10.30	Aug	0.30	Apr		-	-
Regina	-	-6.20	Jan	0.50	4.90	15.30	Aug	-3.90	Feb	1.00	4.70	12.50	Aug	-1.20	Mar	1.50	4.70	11.20	Sep	-0.40	Apr	3.00	4.80	7.70
Yorkton A\	-	-5.90	Jan	0.50	4.60	15.10	AUg	-3.80	Feb	1.00	4.50	13.00	Aug	-1.30	Mar	1.50	4.50	10.80	Aug	0.00	Apr	3.00	4.70	8.20
Kindersley	-	-3.00	Jan	0.50	6.10	16.20	Jul	-2.20	Feb	1.00	5.90	14.30	Aug	-0.40	Mar	1.50	6.00	13.00	Aug	0.60	Mar	3.00	5.90	10.20
Outlook	-	-8.10	Jan	0.50	5.50	17.60	Aug	-5.70	Feb	1.00	6.00	15.30	Aug	-2.20	Feb	1.50	6.00	12.70	Aug	0.20	Mar	3.00	6.00	8.60
Wynyard	-	-5.60	Jan	0.50	4.30	13.80	Aug	-4.20	Feb	1.00	4.30	11.40	Aug	-1.40	Feb	1.50	4.60	9.90	Sep	0.30	Mar	3.00	4.50	7.60
Saskatoon SRC	-	-8.50	Dec	0.20	5.40	18.90	Jul	-7.30	Dec	0.50	6.00	16.40	Jul	-3.30	Feb	1.00	6.20	13.30	Aug	0.00	Feb	1.50	6.10	11.60
Saskatoon	-	-7.90	Jan	0.50	5.90	16.90	Jul	-4.10	Feb	1.00	6.00	14.20	Aug	-0.90	Feb	1.50	6.10	12.60	Aug	0.50	Mar	3.00	5.90	10.00
Hudson Bay	-	-2.10	Feb	0.50	5.80	14.60	Aug	-1.10	Feb	1.00	5.80	12.40	Aug	0.60	Mar	1.50	5.50	10.80	Aug	1.20	Apr	3.00	-	-
La Ronge A	-	-1.40	Feb	0.50	5.00	14.20	Aug	-0.60	Mar	1.00	5.10	12.50	Aug	0.40	Apr	1.50	4.80	10.80	Aug	0.70	Apr	3.00	4.60	7.70
Cree Lake	-	-10.10	Feb	0.50	2.40	14.70	Jul	-8.30	Feb	1.00	2.80	13.40	Aug	-5.80	Mar	1.50	3.20	12.40	Aug	-4.10	Apr	3.00	3.40	9.20
MANITOBA																								
Winnipeg	-	-3.10	Feb	0.51	5.20	15.30	Aug	-2.40	Feb	1.02	5.40	14.10	Aug	-1.40	Feb	1.68	5.40	11.20	Sep	0.40	Mar	2.74	5.40	8.80
Winnipeg Int'l A	-	-3.50	Feb	0.50	5.90	16.10	Aug	-2.20	Feb	1.00	6.00	14.00	Aug	-0.30	Mar	1.50	6.00	12.50	Sep	0.80	Apr	3.00	6.10	8.90
Whiteshell Nuclear Res. Est	Near Pinawa, Man.	-2.30	Feb	-	-	-	-	-	-	-	-	-	-	-	-	1.00	6.10	13.10	Aug	0.90	Apr	2.00	5.50	10.60
Gimli	-	-1.10	Feb	0.50	6.80	16.30	Aug	-0.10	Mar	1.00	6.60	14.20	Aug	0.90	Apr	1.50	6.80	12.70	Sep	1.70	Apr	3.00	6.50	9.10
Pasquia Project	-	-3.00	Feb	0.50	5.90	16.40	Jul	-1.30	Feb	1.00	5.20	12.80	Aug	0.20	Mar	1.50	5.70	11.10	Aug	1.60	Mar	3.00	5.70	9.20
Thompson	-	-3.80	Feb	0.50	3.60	13.10	Aug	-2.40	Mar	1.00	2.80	9.50	Aug	-1.10	Apr	1.50	3.30	8.30	Sep	0.10	May	3.00	2.70	4.90
Thompson	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlebois Siding	R69-2-6 Peat Plateau			6.00	-0.40					7.50	-0.20					9.00	-0.20					12.20	-0.10	
Charlebois Siding	R69-2-7 Fen			6.00	1.40					7.50	1.40					9.10	1.45							
Charlebois Siding	R69-2-11 Peat Plateau			15.00	-0.60					18.20	-0.40													
Nelson River	R68-1-1 River Bank			15.00	~3.3					18.00	~2.7													

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S of Pennycuttaway River	R65-4-3 Peat Plateau			15.00	-0.10																			
N of Gods River	R59-1-1 Peat Plateau																							
N of Gods River	R59-1-4 Peat Plateau			12.20	-0.20																			
ONTARIO																								
Ottawa	-	-0.10	Feb	0.20	8.90	20.10	Jul	0.20	Feb	0.50	8.80	18.30	Aug	1.00	Mar	1.00	7.90	15.70	Aug	1.30	Mar	1.50	8.80	14.70
Perch Lake, Chalk R	-	0.20	Mar	0.20	8.40	19.40	Jul	0.50	Mar	0.50	8.40	18.70	Aug	0.80	Mar	1.00	8.70	16.90	Aug	1.80	Mar	1.50	8.20	13.40
Atikokan	-	0.00	Feb	0.50	7.50	17.80	Jul	0.60	Mar	1.00	7.40	15.80	Aug	1.60	Mar	1.50	7.30	13.40	Aug	2.50	Apr	3.00	7.10	9.60
Kapuskasing	-	-0.10	Feb	0.50	6.10	15.60	Aug	0.00	Mar	1.00	6.30	13.30	Aug	1.60	Apr	1.50	6.40	12.10	Aug	2.20	Apr	3.00	5.80	8.40
QUEBEC																								
Ste Anne De Bellevue	-	-1.70	Feb	0.20	6.80	19.30	Jul	-2.50	Feb	0.50	6.80	16.80	Aug	-1.00	Mar	1.00	7.20	15.10	Aug	0.50	Mar	1.50	6.60	12.70
St Augustin	-	0.00	Mar	0.20	7.10	18.20	Jul	-0.20	Mar	0.50	7.70	17.30	Aug	0.70	Mar	1.00	7.80	15.70	Aug	2.00	Mar	1.50	7.70	13.90
Foret Montmorency	-	0.00	Mar	0.20	5.80	15.30	Jul	0.10	Apr	0.50	5.10	13.80	Aug	-0.20	Apr	1.00	6.10	13.70	Aug	1.10	Apr	1.50	5.00	11.20
La Pocatiere	-	-0.80	Feb	0.20	7.30	17.60	Jul	-0.40	Feb	0.50	7.20	16.30	Aug	0.40	Mar	1.00	7.20	14.40	Aug	1.60	Mar	1.50	7.20	12.70
Val D'or	-	-1.30	Feb	0.20	6.50	17.50	Jul	-0.90	Feb	0.50	6.60	16.40	Aug	-0.10	Mar	1.00	6.50	14.90	Aug	0.60	Mar	1.50	6.30	13.20
Caplan	-	-1.10	Feb	0.20	7.20	18.10	Aug	-0.60	Feb	0.50	7.30	17.20	Aug	0.60	Mar	1.00	7.40	15.30	Aug	1.60	Apr	1.50	7.10	13.70
Normandin	-	-0.20	Feb	0.20	5.90	15.60	Aug	-0.20	Mar	0.50	5.90	14.90	Aug	0.20	Apr	1.00	5.80	13.20	Aug	0.60	Apr	1.50	6.20	11.50
Normandin	-	0.60	Feb	1.00	5.70	12.40	Aug	0.90	Apr	1.50	6.10	11.40	Aug	2.00	Mar	2.00	6.00	10.20	Sep	2.60	Apr	2.50	5.80	9.10
Kuujjuaq A	-	-18.30	Feb	0.20	-2.50	11.30	Jul	-17.20	Feb	0.50	-2.30	9.10	Aug	-14.90	Feb	1.00	-2.40	6.70	Aug	-13.50	Mar	1.50	-2.90	2.30
Kangiqsualujjuaq	Till	-11.00	Jan-Mar	0.90	-4.00	4.00	Aug	-12.00	Mar	1.10	-4.50	2.00	July/Aug	-11.00	Mar	1.30	-3.00	2.00	July/Aug	-8.00	Jan-Mar	1.50	-2.90	1.20
Kangiqsualujjuaq	Tidal Marsh	-2.50	Jan	0.95	1.20	3.00	July/Aug	-0.50	Jan	1.35	0.35	1.70	Aug/Sep	-1.00	Jan	1.55	-0.37	0.25	Aug/Sep	-1.00	Jan	1.75	-0.25	0.50
Kangiqsualujjuaq	Tidal Flat									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quaqtaq	rock	-5.00	-	20.00	-4.50	-4.50	-	-4.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salluit	rock	-7.50	July	20.00	-6.40	-6.40	-	-6.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salluit	till	-15.00	-	5.00	-7.50	-4.00	-	-11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salluit	silt	-12.50	-	5.00	-6.70	-4.50	-	-9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tasiujaq	rock	-4.00	-	20.00	-2.20	-2.00	-	-2.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schefferville-3	Timmins 4	-0.66	Apr	3.00	0.88	3.95	Aug	-0.04	May	4.00	0.04	1.79	Sep	-0.20	May	5.00	0.08	0.38	Oct	-0.01	May	8.00	-0.01	-0.07
NEWFOUNDLAND																								
Goose	-	-3.50	Feb	0.20	4.40	15.80	Jul	-3.20	Feb	0.50	4.50	14.40	Aug	-1.40	Feb	1.00	4.60	13.00	Aug	-0.40	Feb	1.50	4.80	11.80
St. John's W	-	0.00	Feb	0.20	6.70	15.20	Aug	0.40	Mar	0.50	6.80	14.10	Aug	0.40	Mar	1.00	6.80	12.80	Aug	2.00	Mar	1.50	6.70	11.60
Knob Lake	-	-3.20	Mar	1.22	2.50	9.10	Sep	-3.50	Mar	1.83	2.30	8.40	Sep	-2.90	Mar	2.44	2.10	7.70	Sep	-1.70	Apr	3.05	2.40	6.60

GROUND TEMPERATURE AVAIL.

SITE LOCATION	SITE IDENTIFIER	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)
NORTHWEST TERRITORIES/NUNAVUT																							
Arctic Islands																							
Mould Bay A	-	Sep	-24.00	Mar	3.00	-14.30	-6.60	Sep	-21.50	Apr	Av. all depths	-14.30	-	-	-	-	-	-	-	-	-	-	-
Resolute	-	Aug	-18.40	Apr			-	-	-	-	Av. all depths	-11.20	-	-	-	-	-	-	-	-	-	-	-
Alert	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alert	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rea Pt		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Iqaluit Permafrost Site		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hot Weather Creek	HWC STN																						
Mackenzie Delta Region																							
Inuvik	I1	-	-	-	-	-	-	-	-	-	Av. all depths	-0.73	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I2	-	-	-	-	-	-	-	-	-	Av. all depths	-1.85	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I3	-	-	-	-	-	-	-	-	-	Av. all depths	-1.73	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I4	-	-	-	-	-	-	-	-	-	Av. all depths	-1.47	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I5	-	-	-	-	-	-	-	-	-	Av. all depths	-0.57	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I6	-	-	-	-	-	-	-	-	-	Av. all depths	-2.57	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I7	-	-	-	-	-	-	-	-	-	Av. all depths	-2.78	-	-	-	-	-	-	-	-	-	-	-
Inuvik	I8	-	-	-	-	-	-	-	-	-	Av. all depths	-1.80	-	-	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#1	-	-	-	-	-	-	-	-	-	MAST	-1.20	-	-	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#2	-	-	-	-	-	-	-	-	-	MAST	0.60	-	-	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#3	-	-	-	-	-	-	-	-	-	MAST	-0.30	-	-	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#4	-	-	-	-	-	-	-	-	-	MAST	-3.30	-	-	-	-	-	-	-	-	-	-	-
Williams Island,50km NW of Inuvik	#5	-	-	-	-	-	-	-	-	-	MAST	-4.70	-	-	-	-	-	-	-	-	-	-	-
Lousy Point	BH91-6	Sep	-6.76	Apr	21.00	-6.56	-6.37	Sept	-6.76	Apr	24.00	-6.59	-6.47	Apr	-6.71	Sep	27.00	-6.19	-6.18	Apr	-6.20	Sep	30.00
Lousy Point	BH91-8	Apr	-7.35	Sep	21.00	-7.26	-7.20	Apr	-7.32	Sep	24.00	-7.23	-7.20	Apr	-7.27	Sep	27.00	-7.23	-7.20	Apr	-7.26	Sep	30.00
Lousy Point	BH91-10	Apr	-2.52	Sep	24.00	-2.49	-2.48	Sep	-2.50	Apr	27.00	-2.50	-2.50	Apr	-2.51	Sep	30.00	-2.48	-2.47	Sep	-2.50	Apr	-
Lousy Point	BH91-11	Apr	-7.13	Sep	21.00	-7.12	-7.06	Apr	-7.18	Sep	24.00	-7.14	-7.06	Apr	-7.22	Sep	27.00	-7.21	-7.13	Apr	-7.29	Sep	30.00
Lousy Point	BH91-12	Apr	-6.62	Sep	21.00	-6.26	-6.18	Apr	-6.35	Sep	24.00	-6.34	-6.32	Apr	-6.36	Sep	27.00	-6.32	-6.32	all	-6.32	all	30.00
Lousy Point	BH91-13	Sep	-6.62	Apr	21.00	-6.17	-6.16	Sep	-6.18	Apr	24.00	-6.22	-0.18	Apr	-6.27	Sep	27.00	-6.23	-6.18	Apr	-6.28	Sep	30.00
Lousy Point	BH91-15	Apr	-5.35	Sep	21.00	-5.34	-5.31	Sep	-5.37	apr	24.00	-5.27	-5.26	Sep	-5.29	Apr	27.00	-5.29	-5.29	all	-5.29	all	30.00
Parsons Lake	C6																						
Other NWT/Nunavut																							

SITE LOCATION	SITE IDENTIFIER	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)
Fort Smith	-	Aug	-0.30	Apr	3.00	4.00	7.90	Sep	1.20	May	Av all depths	3.90		-	-	-	-	-	-	-	-	-	-
Fort Simpson	FS #1	-	-	-	13.70	1.32	-	-	-	-	18.30	1.54	-	-	-	-	30.50	2.34	-	-	-	-	-
Fort Simpson	FS #2	-	-	-	12.20	1.78	-	-	-	-	13.70	1.86	-	-	-	-	18.30	2.16	-	-	-	-	25.90
Fort Simpson	FS #3	-	-	-	13.00	1.58	-	-	-	-	14.50	1.61	-	-	-	-	19.00	1.67	-	-	-	-	25.10
Fort Simpson	-	Sep	-0.30	Apr		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	1) black rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	2) white rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	3) red rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	4) till	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	5) beach ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	6) burned peatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	7) sedge peatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowknife	8) spruce peatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baker Lake A	-	Aug	-17.10	Mar		-	-	-	-	-	Av all depths	-8.00	-	-	-	-	-	-	-	-	-	-	-
Baker Lake	Hole 1																						
Baker Lake	Hole 3																						
Baker Lake	Hole 4																						
Canyon Ck North	84-2A	-	-0.94	-	9.00	-0.86	-0.78	-	-0.94	-	11.00	-0.88	-0.70	-	-1.05	-	13.00	-0.72	-0.67	-	-0.77	-	-
Canyon Ck North	84-2B	-	-1.61	-	15.00	-1.29	-1.19	-	-1.39	-	18.00	-1.04	-0.94	-	-1.13	-	20.60	-0.78	-0.68	-	-0.90	-	-
Canyon Ck South	84-2C	-	-1.19	-	15.00	-1.12	-1.10	-	-1.13	-	18.00	-1.06	-1.05	-	-1.07	-	20.00	-0.99	-0.96	-	-1.01	-	-
Norman Wells Pump Stn	84-1	-	-2.37	-	11.00	-2.04	-1.95	-	-2.12	-	13.60	-1.95	-1.89	-	2.00	-	-	-	-	-	-	-	-
Kee Scarp	HT137	-	0.29	-	35.00	0.42	0.46	-	0.37	-	40.00	0.38	0.45	-	0.30	-	128.00	1.58	1.59	-	1.57	-	-
Great Bear R	84-3A	-	-3.06	-	6.00	-2.35	-1.90	-	-2.79	-	7.00	-2.57	-2.20	-	-2.94	-	8.00	-2.57	-2.21	-	-2.92	-	-
Great Bear R	84-3B	-	-1.84	-	15.00	-1.70	-1.68	-	-1.72	-	18.00	-1.54	-1.49	-	-1.58	-	20.90	-1.44	-1.42	-	-1.46	-	-
Table Mountain	85-7A	-	-0.85	-	14.00	-0.84	-0.83	-	-0.85	-	17.00	-0.83	-0.76	-	-0.89	-	20.00	-0.68	-0.66	-	-0.69	-	-
Table Mountain	85-7B	-	-1.40	-	14.00	-1.32	-1.30	-	-1.33	-	17.00	-1.28	-1.26	-	-1.29	-	20.00	-1.23	-1.20	-	-1.35	-	-
Table Mountain	85-7C	-	-1.22	-	14.00	-1.08	-1.06	-	-1.10	-	17.00	-0.96	-0.94	-	-0.97	-	20.00	-0.90	-0.88	-	-0.91	-	-
Trail River	84-4A	-	1.95	-	15.00	2.18	2.20	-	2.15	-	18.00	2.40	2.41	-	2.38	-	20.00	2.55	2.56	-	2.53	-	-
Trail River	84-4B	-	1.56	-	15.00	1.64	1.70	-	1.58	-	18.00	1.80	1.84	-	1.76	-	20.00	1.92	1.96	-	1.88	-	-
Manners Ck	85-8A	-	-0.03	-	14.00	0.13	0.14	-	0.12	-	17.00	0.46	0.47	-	0.45	-	20.00	0.77	0.78	-	0.75	-	-
Manners Ck	85-8B	-	0.64	-	14.00	0.87	0.89	-	0.84	-	17.00	1.18	1.27	-	1.09	-	20.00	1.44	1.51	-	1.37	-	-
Manners Ck	85-8C	-	0.60	-	14.00	0.64	0.89	-	0.38	-	17.00	1.23	1.34	-	1.12	-	20.00	1.47	1.55	-	1.38	-	-
N Wells PumpStn3	85-9	-	1.85	-	14.00	2.02	2.09	-	1.94	-	17.00	2.16	2.20	-	2.12	-	20.00	2.26	2.28	-	2.23	-	-
Mackenzie Hwy S	85-10A	-	1.28	-	14.00	1.46	1.50	-	1.42	-	17.00	1.53	1.54	-	1.51	-	20.00	1.62	1.64	-	1.60	-	-
Mackenzie Hwy S	85-10B	-	0.38	-	6.50	0.44	0.48	-	0.40	-	8.50	0.61	0.65	-	0.57	-	10.50	0.72	0.75	-	0.68	-	-
Moraine South	85-11	-	0.16	-	8.00	0.36	0.40	-	0.31	-	10.00	0.59	0.63	-	0.54	-	12.00	0.79	0.82	-	0.75	-	-
Jean Marie Ck	85-12A	-	0.46	-	8.00	0.64	0.68	-	0.60	-	10.00	0.72	0.75	-	0.69	-	12.00	0.82	0.86	-	0.78	-	-
Jean Marie Ck	85-12B	-	0.17	-	6.50	0.22	0.24	-	0.20	-	8.00	0.43	0.45	-	0.41	-	9.70	0.45	0.47	-	0.43	-	-
Gibson Gap		Sep	-1.47	June	40.00	-1.19	-1.08	Feb	-1.28	Mar	45.00	-1.02	-0.86	July	-1.15	Jan	-	-	-	-	-	-	-
Norman Wells	NW #1	Jan	<=-2.4	-	9.10		-1.92	Feb	<=-2.12	-	10.70	-1.88	-1.83	Jan	-1.94	Jun	12.20	-1.72	-1.68	Feb	-1.77	Jul	13.70
Norman Wells	NW #2	Jan	<=-2.69	-	9.10	-	-2.28	Jan	<=-2.53	-	10.70		-2.27	Feb	<=-2.37	-	13.70	-2.17	-2.16	Mar	-2.19	Jul	-
Norman Wells	NW #3	Mar	-2.00	Jul	15.20	-1.40	-1.37	Mar	-1.43	Aug	33.50	-0.24	-	-	-	-	42.70	0.33	-	-	-	-	57.90
Norman Wells	NW #4	-	<=-2.67	-	9.10	-	>=-2.24	-	<=-2.49	-	10.70	-	>=-2.12	-	<=-2.37	-	12.20		>=-2.12	-	<=-2.23	-	13.70
Norman Wells	NW #5	-	<=-2.39	-	9.10	-	>=-1.97	-	<=-2.27	-	10.70	-	>-2.06	-	-2.20	Aug	12.20	-	>=-2.02	-	-2.11	Aug	13.70
Norman Wells	NW #6	-	-1.09	Aug	9.10	-	>=-1.01	-	-1.06	Aug	10.70	-0.97	-	-	-	-	12.20	-0.90	-	-	-		13.70

SITE LOCATION	SITE IDENTIFIER	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)
Norman Wells	NW #7	-	<=-1.2	-	10.70	-0.98	-	-	-	-	15.20	-0.70	-	-	-	-	21.30	-0.30	-	-	-	-	30.50
Fort Good Hope	FGH #1	Oct	-0.84	Jul	19.80	-1.30			-	-	30.50	-0.86	-	-	-	-	-	-	-	-	-	-	-
Fort Good Hope	FGH #3	Feb	-1.80	Jul	12.20	-1.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fort Good Hope	FGH #2	Jan	-1.73	Jul	9.10	-	-1.42	Jan	-1.60	Jul	10.70	-1.34	-	-	-	-	-	-	-	-	-	-	-
Fort Good Hope	FGH #4	Apr	-1.37	Aug	10.70	-1.33	-	-	-	-	15.20	-1.13	-	-	-	-	22.90	-0.67	-	-	-	-	-
Fort McPherson site	MP #1	-	-	-	8.80	-2.55	-	-	-	-	10.40	-2.58	-	-	-	-	14.90	-2.64	-	-	-	-	31.70
Fort McPherson site	MP #2	-	-	-	12.60	-4.56	-	-	-	-	14.20	-4.54	-	-	-	-	15.70	-4.53	-	-	-	-	26.40
Fort McPherson site	MP #3	-	-	-	13.00	-3.40	-	-	-	-	16.00	-3.46	-	-	-	-	20.60	-3.40	-	-	-	-	23.60
Great Bear River	C12																						
Pump Stn 1	C10																						
Tulita (10 km North)	SEEDS control site																						
Norman Wells	Hole #7		-2.3		19.81	-1.55	-1.4		-1.7		30.48	-0.85	-0.7		-1		45.72	-0.2	-0.1		-0.3		60.96
Norman Wells	Hole #10		-1.9		19.81	-1	-0.7		-1.3		30.48	0	0.1		-0.1		45.72	0.85	1.1		0.6		60.98
Norman Wells	Hole #12																						
Norman Wells	Hole #13																						
Norman Wells	Hole #14																						
Norman Wells	Hole #17																						
Norman Wells	Water Treatment Plant																						
Norman Wells	Hockey Arena																						
Manners Ck	undisturbed site																						
YUKON																							
Haines Junction	-	Sep	-0.10	Apr	-	-	-	-	-	-	Av. all depths	2.10	-	-	-	-	-	-	-	-	-	-	-
Watson Lake A	-	Aug	-1.40	Mar	3.00	3.90	8.10	Sep	0.80	Apr	Av. all depths	3.90	-	-	-	-	-	-	-	-	-	-	-
Tuichita	Peat plateau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Glaciolacustrine A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Glaciolacustrine B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mayo	Alluvial C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BRITISH COLUMBIA																							
Prince George A	-	Sep	2.40	Apr	-	-	-	-	-	-	Av all depths	6.20	-	-	-	-	-	-	-	-	-	-	
Summit Lake A	Summit Pass	-	-	-	17.50	-0.91	-	-	-	-	19.50	-0.95	-	-	-	-	21.50	-1.16	-	-	-	-	ZeroAmp
Summit Lake B	Upper Testa R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Summit Lake C	Lower Testa R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Summit Lake D	Mill Ck	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Summit Lake E	Steamboat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
ALBERTA																							
Lethbridge	-	Sep	4.20	Apr	-	-	-	-	-	-	Av. all depths	7.80	-	-	-	-	-	-	-	-	-	-	-
Vauxhall	-	-	-	-	-	-	-	-	-	-	Av. all depths	8.10	-	-	-	-	-	-	-	-	-	-	-

SITE LOCATION	SITE IDENTIFIER	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)
LaCombe	-	Oct	3.80	May	-	-	-	-	-	-	Av all depths	6.30	-	-	-	-	-	-	-	-	-	-	-
Ellerslie	-	Aug	-0.60	Mar	3.00	4.70	7.70	Aug	2.00	Mar	Av all depths	4.90	-	-	-	-	-	-	-	-	-	-	-
Ellerslie Soil Sci Res Stn	10km S of Edmonton	-	-	-	-	-	-	-	-	-	MAST	5.40	-	-	-	-	-	-	-	-	-	-	-
Vegreville	-	Sep	1.90	May	-	-	-	-	-	-	Av all depths	4.60	-	-	-	-	-	-	-	-	-	-	-
Edson A	-	Aug	1.10	Apr	3.00	6.10	8.50	Oct	3.90	May	Av all depths	5.30	-	-	-	-	-	-	-	-	-	-	-
Beaverlodge	-	Aug	0.40	Feb	1.50	5.10	10.10	Aug	1.30	Apr	Av all depths	5.10	-	-	-	-	-	-	-	-	-	-	-
Beaverlodge	-	Aug	0.80	Apr		-	-	-	-	-	Av all depths	4.70	-	-	-	-	-	-	-	-	-	-	-
Slave Lake	-	Sep	3.50	Apr	-	-	-	-	-	-	Av all depths	5.60	-	-	-	-	-	-	-	-	-	-	-
Peace River	-	Oct	2.70	Apr	-	-	-	-	-	-	Av all depths	5.00	-	-	-	-	-	-	-	-	-	-	-
Fort Vermilion	-	-	-	-	-	-	-	-	-	-	Av all depths	5.50	-	-	-	-	-	-	-	-	-	-	-
Plateau Mtn	#2	-	-	-	60.00	-1.50	-	-	-	-	75.00	-1.30	-	-	-	-	150.00	-1.00	-	-	-	-	Zero Amp
Marmot Basin	#1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zero Amp
Petitot River N	84-5A	-	-0.14	-	15.00	-0.06	-0.02	-	-0.09	-	18.00	-0.01	0.05	-	-0.07	-	20.60	0.09	0.14	-	0.04	-	-
Petitot River N	84-5B	-	-0.10	-	15.00	0.13	0.13	-	0.12	-	18.00	0.18	0.19	-	0.16	-	20.50	0.27	0.28	-	0.26	-	-
Petitot River S	84-6	-	0.24	-	15.00	0.51	0.52	-	0.50	-	18.00	0.56	0.56	-	0.55	-	20.70	0.71	0.75	-	0.67	-	-
Plateau Mtn	Blocky slope																						
Plateau Mtn	Loess pocket																						
SASKATCHEWAN																							
Swift Current A	-	Sep	2.60	Apr	-	-	-	-	-	-	Av all depths	5.50	-	-	-	-	-	-	-	-	-	-	-
Swift Current	-	Sep	0.00	Mar	3.00	5.60	10.90	Sep	0.00	Mar	Av all depths	5.20	-	-	-	-	-	-	-	-	-	-	-
Swift Current	-	Sep	1.70	Mar	-	-	-	-	-	-	Av all depths	5.90	-	-	-	-	-	-	-	-	-	-	-
Broadview	-	-	-	-	-	-	-	-	-	-	Av all depths	5.20	-	-	-	-	-	-	-	-	-	-	-
Regina	-	Oct	2.10	May	-	-	-	-	-	-	Av all depths	4.90	-	-	-	-	-	-	-	-	-	-	-
Yorkton A\	-	Sep	1.80	May	-	-	-	-	-	-	Av all depths	4.60	-	-	-	-	-	-	-	-	-	-	-
Kindersley	-	Sep	2.30	Apr	-	-	-	-	-	-	Av all depths	6.00	-	-	-	-	-	-	-	-	-	-	-
Outlook	-	Oct	3.40	Apr	-	-	-	-	-	-	Av all depths	5.90	-	-	-	-	-	-	-	-	-	-	-
Wynyard	-	Oct	1.80	May	-	-	-	-	-	-	Av all depths	4.30	-	-	-	-	-	-	-	-	-	-	-
Saskatoon SRC	-	Aug	0.60	Mar	3.00	6.10	9.50	Sep	2.50	Apr	Av all depths	5.70	-	-	-	-	-	-	-	-	-	-	-
Saskatoon	-	Sep	2.10	Apr	-	-	-	-	-	-	Av all depths	5.60	-	-	-	-	-	-	-	-	-	-	-
Hudson Bay	-	-	-	-	-	-	-	-	-	-	Av all depths	5.70	-	-	-	-	-	-	-	-	-	-	-
La Ronge A	-	Sep	2.00	May	-	-	-	-	-	-	Av all depths	5.10	-	-	-	-	-	-	-	-	-	-	-
Cree Lake	-	Sep	-0.40	Apr	-	-	-	-	-	-	Av all depths	2.50	-	-	-	-	-	-	-	-	-	-	-
MANITOBA																							
Winnipeg	-	Oct	2.50	May	4.57	5.10	6.10	Dec	4.50	Jul	Av all depths	5.32	-	-	-	-	-	-	-	-	-	-	-
Winnipeg Int'l A	-	Oct	3.40	May	-	-	-	-	-	-	Av all depths	5.90	-	-	-	-	-	-	-	-	-	-	-
Whiteshell Nuclear Res. Est	Near Pinawa, Man	Sep	2.50	Apr	-	-	-	-	-	-	Av all depths	5.90	-	-	-	-	-	-	-	-	-	-	-
Gimli	-	Oct	4.10	May	-	-	-	-	-	-	Av all depths	6.80	-	-	-	-	-	-	-	-	-	-	-
Pasquia Project	-	Sep	3.10	Mar	-	-	-	-	-	-	Av all depths	5.90	-	-	-	-	-	-	-	-	-	-	-
Thompson	-	Oct	1.10	Jun	-	-	-	-	-	-	Av all depths	3.30	-	-	-	-	-	-	-	-	-	-	-
Thompson	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thompson	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charlebois Siding	R69-2-6 Peat Plateau																						
Charlebois Siding	R69-2-7 Fen																						
Charlebois Siding	R69-2-11 Peat Plateau																						
Nelson River	R68-1-1 River Bank																						

SITE LOCATION	SITE IDENTIFIER	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	DEPTH (metre)
S of Pennycuttaway River	R65-4-3 Peat Plateau																						
N of Gods River	R59-1-1 Peat Plateau																						
N of Gods River	R59-1-4 Peat Plateau																						
ONTARIO																							
Ottawa	-	Sep	3.50	Mar	3.00	8.90	13.60	Sep	4.60	Apr	Av. all depths	8.70	-	-	-	-	-	-	-	-	-	-	-
Perch Lake, Chalk R	-	Sep	3.60	Apr	3.00	8.10	10.10	Nov	5.90	May	Av. all depths	8.20	-	-	-	-	-	-	-	-	-	-	-
Atikokan	-	Sep	4.60	May	-	-	-	-	-	-	Av. all depths	7.10	-	-	-	-	-	-	-	-	-	-	-
Kapuskasing	-	Sep	3.30	May	-	-	-	-	-	-	Av. all depths	6.00	-	-	-	-	-	-	-	-	-	-	-
QUEBEC																							
Ste Anne De Bellevue	-	Aug	1.10	Apr	3.00	4.10	7.80	Sep	0.10	Apr	Av. all depths	6.60	-	-	-	-	-	-	-	-	-	-	-
St Augustin	-	Aug	2.60	Mar	3.00	7.40	10.40	Oct	4.60	May	Av. all depths	7.60	-	-	-	-	-	-	-	-	-	-	-
Foret Montmorency	-	Aug	0.60	Apr	3.00	5.20	9.30	Sep	1.20	May	Av. all depths	5.60	-	-	-	-	-	-	-	-	-	-	-
La Pocatiere	-	Sep	2.50	Apr	3.00	7.80	10.40	Oct	5.40	May	Av. all depths	7.30	-	-	-	-	-	-	-	-	-	-	-
Val D'or	-	Aug	1.20	Apr	3.00	6.50	9.90	Sep	3.40	May	Av. all depths	6.50	-	-	-	-	-	-	-	-	-	-	-
Caplan	-	Aug	2.00	Apr	3.00	7.10	10.80	Oct	3.90	May	Av. all depths	7.20	-	-	-	-	-	-	-	-	-	-	-
Normendin	-	Sep	2.00	Apr	3.00	5.70	8.10	Oct	3.20	May	Av. all depths	5.80	-	-	-	-	-	-	-	-	-	-	-
Normandin	-	Sep	2.80	Apr	3.00	5.90	8.00	Sep	3.10	Apr	Av.all depths	5.70	-	-	-	-	-	-	-	-	-	-	-
Kuujjuaq A	-	Sep	-11.40	Mar		-	-	-	-	-	Av. all depths	-2.40	-	-	-	-	-	-	-	-	-	-	-
Kangiqsualujjuaq	Till	July/Aug	-7.00	Jan-Mar	1.70	-2.70	0.75	July-Oct	-6.20	Jan-Mar	1.90	-2.20	0.75	July/Oct	-5.50	Jan-Mar	-	-	-	-	-	-	-
Kangiqsualujjuaq	Tidal Marsh	Sep/Oct	-1.00	Jan	1.95	-0.37	0.25	Sep/Oct	-1.00	Jan	2.15	-0.25	0.50	Sep/Oct	-1.00	Jan	-	-	-	-	-	-	-
Kangiqsualujjuaq	Tidal Flat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quaqtaq	rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Salluit	rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Zero Amp
Salluit	till	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Salluit	silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Tasiujaq	rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ZeroAmp
Schefferville-3	Timmins 4	Nov	-0.24	Jun	7.00	-0.22	-0.18	Apr	-0.33	Aug	8.00	-0.33	-0.29	Apr	-0.40	Aug	10	-0.5	-0.46	Apr	-0.6	Sep	11.7
NEWFOUNDLAND																							
Goose	-	Aug	0.30	Feb	3.00	4.90	8.60	Sep	1.80	May	Av. all depths	4.60	-	-	-	-	-	-	-	-	-	-	-
St. John's W	-	Sep	2.50	Apr	3.00	-	-	-	-	-	Av. all depths	6.90	-	-	-	-	-	-	-	-	-	-	-
Knob Lake	-	Sep	-0.30	Apr	3.35	2.10	5.60	Sep	0.00	Jun	Av. all depths	2.40	-	-	-	-	-	-	-	-	-	-	-

GROUND TEMPERATURE AVAIL.

SITE LOCATION	SITE IDENTIFIER	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
NORTHWEST TERRITORIES/NUNAVUT												
Arctic Islands												
Mould Bay A	-	-	-	-	-	-	Grass	na	50.0	Cont.		3,4,5
Resolute	-	-	-	-	-	-	Grass	na	60.0	Cont.		3,4,5,9,2
Alert	1	-	-	-	-	-	na	Overburden,shattered rock	na	Cont.		56
Alert	2	-	-	-	-	-	na	Overburden,shattered rock	na	Cont.		56
Alert	3	-	-	-	-	-	na	Overburden,shattered rock	na	Cont.		56
Alert	4	-	-	-	-	-	na	Overburden,shattered rock	na	Cont.		56
Alert	5	-	-	-	-	-	na	Overburden,shattered rock	na	Cont.		56
Rea Pt.		-16.50	-	-	-	-	na	na	35.0	Cont.		6
Iqaluit Permafrost Site		-	-	-	-	-	na	Bedrock,gneiss	~150	Cont		38,4,5
Hot Weather Creek	HWC STN						Salix-Dryas hummock tundra	Silty	~80	Cont.		37a
Mackenzie Delta Region												
Inuvik	I1	-	-	-	-	-	Black Spruce	Silty clay	98.0	Cont.		55,67
Inuvik	I2	-	-	-	-	-	Dwarf Shrubs	na	39.0	Cont.		55,67
Inuvik	I3	-	-	-	-	-	Black Spruce	Clay	65.0	Cont.		55,67
Inuvik	I4	-	-	-	-	-	Black Spruce	Sandy loam to sand	100.0	Cont.		55,67
Inuvik	I5	-	-	-	-	-	Dwarf Shrubs	na	45.0	Cont.		55,67
Inuvik	I6	-	-	-	-	-	Black Spruce	Loam	68.0	Cont.		55,67
Inuvik	I7	-	-	-	-	-	Willow, Alder	Silt loam	71.0	Cont.		55,67
Inuvik	I8	-	-	-	-	-	White Spruce	Silt loam	35.0	Cont.		55,67
Williams Island,50km NW of Inuvik	#1	-	-	-	-	-	Bare Ground	Sandy silt	110.6	Disc.		53,4
Williams Island,50km NW of Inuvik	#2	-	-	-	-	-	Willow	Sandy silt	103.3	Disc.		53,4
Williams Island,50km NW of Inuvik	#3	-	-	-	-	-	Willow	Silt	99.2	Disc.		53,4
Williams Island,50km NW of Inuvik	#4	-	-	-	-	-	Willow-Alder	Moss, peat and silt	62.6	Disc.		53,4
Williams Island,50km NW of Inuvik	#5	-	-	-	-	-	Spruce	Moss and peat	30.8	Disc.		53,4
Lousy Point	BH91-6	-6.13	-6.10	Apr	-6.17	Sept	na	Organics over glaciofluvial silty sand,till	125.0	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-8	-7.23	-7.20	Apr	-7.26	Sept	na	Silt over glaciofluvial sand gravel till	25.0	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-10	-	-	-	-	-	na	Lacustrine silt over glaciofluvial sand,till	140.0	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-11	-7.27	-7.20	Apr	-7.34	Sept	na	Glaciofluvial silt,sand,till	-	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-12	-6.26	-6.25	Apr	-6.27	Sep	na	Glaciofluvial, organics on silt,sand	130.0	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-13	-6.35	-6.32	Apr	-6.39	Sep	na	Glaciofluvial sand	150.0	Cont.	April and Sept. temp. only	22
Lousy Point	BH91-15	-5.28	-5.27	Sep	-5.29	Apr	na		120.0	Cont.	April and Sept. temp. only	22
Parsons Lake	C8							Morainal, till	86.0	Cont.		37a
Other NWT/Nunavut												

SITE LOCATION	SITE IDENTIFIER	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Fort Smith	-	-	-	-	-	-	Grass	na	-	Disc.		3,4,5,9
Fort Simpson	FS #1	-	-	-	-	-	na	Sand	no pf	Disc.	obs only for Mar, Aug	57,44,9
Fort Simpson	FS #2	2.62	-	-	-	-	na	Sand	no pf	Disc.	obs only for Mar, Aug	57,44,9
Fort Simpson	FS #3	1.81	-	-	-	-	na	Clay silt	180.0	Disc.	obs only for Mar, Aug	57,44,9
Fort Simpson	-	-	-	-	-	-	Grass	Silt loam	-	Disc.		3,4,5,9,44,2
Yellowknife	1) black rock	-	-	-	-	-	Exposed bedrock	na	no permafrost	Disc.		11
Yellowknife	2) white rock	-	-	-	-	-	Exposed bedrock	na	no permafrost	Disc.		11
Yellowknife	3) red rock	-	-	-	-	-	Exposed bedrock	na	no permafrost	Disc.		11
Yellowknife	4) till	-	-	-	-	-	Birch, alder	Sandy stony till	no permafrost	Disc.		11
Yellowknife	5) beach ridge	-	-	-	-	-	Spruce,alder,willow	Sandy gravel	no permafrost	Disc.		11
Yellowknife	6) burned peatland	-	-	-	-	-	Dence black spruce	Fine sand	no permafrost	Disc.		11
Yellowknife	7) sedge peatland	-	-	-	-	-	Sparce black spruce	Sandy soil	68.0	Disc.		11
Yellowknife	8) spruce peatland	-	-	-	-	-	Black spruce	Silt-fine sand-stones	30.0	Disc.		11
Baker Lake A	-	-	-	-	-	-	Grass	na	-	Cont.		2,3,4,5
Baker Lake	Hole 1							Coarse gravel, sands and peat layer (0-15cm)	140.0	Cont.		17a,4
Baker Lake	Hole 3								140.0	Cont.		17a,4
Baker Lake	Hole 4								~170	Cont.		17a,4
Canyon Ck North	84-2A	-	-	-	-	-	na	Till,Silty clay	-	Disc.		15
Canyon Ck North	84-2B	-	-	-	-	-	na	Till,Silty clay	-	Disc.		15
Canyon Ck South	84-2C	-	-	-	-	-	na	Till,Silty clay	-	Disc.		15
Norman Wells Pump Stn	84-1	-	-	-	-	-	na	Till,silty clay	-	Disc.		15
Kee Scarp	HT137	-	-	-	-	-	na	na	-	Disc.		15
Great Bear R.	84-3A	-	-	-	-	-	na	Alluvial, silt,clay	<50	Disc.		15
Great Bear R.	84-3B	-	-	-	-	-	na	Sand,clay	<100	Disc.		15
Table Mountain	85-7A	-	-	-	-	-	na	Till, clay	<100	Disc.		15,16
Table Mountain	85-7B	-	-	-	-	-	na	Till, Clay	~100	Disc.		15,16
Table Mountain	85-7C	-	-	-	-	-	na	Till, clay,sand	<100	Disc.		15,16
Trail River	84-4A	-	-	-	-	-	na	Sand, silt	-	Disc.		15,16
Trail River	84-4B	-	-	-	-	-	na	Sand,silt	-	Disc.		15,16
Manners Ck.	85-8A	-	-	-	-	-	na	Clay,sand	<100	Disc.		15,16
Manners Ck.	85-8B	-	-	-	-	-	na	Silt,clay	~100	Disc.		15,16
Manners Ck.	85-8C	-	-	-	-	-	na	Clay,silt	<100	Disc.		15,16
N Wells PumpStn3	85-9	-	-	-	-	-	na	Granular soils	100.0	Disc.		15,16
Mackenzie Hwy S	85-10A	-	-	-	-	-	na	Till	~100	Disc.		15,16
Mackenzie Hwy S	85-10B	-	-	-	-	-	na	Clay Till	~50	Disc.		15,16
Moraine South	85-11	-	-	-	-	-	na	Clay Till	-	Disc.		15,16
Jean Marie Ck.	85-12A	-	-	-	-	-	na	Clay Till, Sand	-	Disc.		15,16
Jean Marie Ck.	85-12B	-	-	-	-	-	na	Clay Till	-	Disc.		15,16
Gibson Gap		-	-	-	-	-	na	na	<100	Disc.		15
Norman Wells	NW #1	-1.67	-1.66	Dec	-1.68	Jul	Dense black spruce	Sand	160.0	Disc.	No data Feb-July	9,17,44
Norman Wells	NW #2	-	-	-	-	-	Dense black spruce	Peat	50.0	Disc.	No data Feb-July	9,17,44
Norman Wells	NW #3	1.26	-	-	-	-	Black spruce	Silty till	110.0	Disc.	No data Mar-June	9,17,44
Norman Wells	NW #4	-	>=-2.04	-	<=-2.16	-	Dense Dwf. black spruce	Peat	110.0	Disc.	No data Feb-July	9,17,44
Norman Wells	NW #5	-2.03	-	-	-	-	Dense Dwf. black spruce	Peat	130.0	Disc.	No data Feb-July	9,17,44
Norman Wells	NW #6	-0.88	-	-	-	-	Hummocky; swamp	Peat	140.0	Disc.	No data Jan-July	9,17,44

SITE LOCATION	SITE IDENTIFIER	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Norman Wells	NW #7	0.02	-	-	-	-	Dense black spruce	Sand, gravel	120.0	Disc.	No data Feb-July	9,17,44
Fort Good Hope	FGH #1	-	-	-	-	-	Hummocky	Burnt peat	120.0	Disc.		9,17,44
Fort Good Hope	FGH #3	-	-	-	-	-	Dense forest	Silt	100.0	Disc.		9,17,44
Fort Good Hope	FGH #2	-	-	-	-	-	Hummocky	Peat	70.0	Disc.		9,17,44
Fort Good Hope	FGH #4	-	-	-	-	-	Hummocky	Silty sand	150.0	Disc.		9,17,44
Fort McPherson site	MP #1	-2.25	-	-	-	-	Tundra Communities	Clay till	150.0	Cont.	obs only for Mar, July	48,44
Fort McPherson site	MP #2	-4.24	-	-	-	-	Tundra Communities	Silty clay	180.0	Cont.	obs only for Mar, July	48,44
Fort McPherson site	MP #3	-3.40	-	-	-	-	Tundra Communities	Silty clay	150.0	Cont.	obs only for Mar, July	48,44
Great Bear River	C12							Alluvial, silt/loam texture	71.0	Disc.		37a
Pump Stn 1	C10							Lacustrine, silt/loam texture	65.0	Disc.		37a
Tulita (10 km North)	SEEDS control site						feathermoss, lichen, Picea mariana	ice-rich, silty loam	61.4	Disc.		48d
Norman Wells	Hole #7	0.4	0.5		0.3			organics over sandy soil	80	Disc.		65a
Norman Wells	Hole #10	1.85	2.1		1.6			organics over sandy soil	80	Disc.		65a
Norman Wells	Hole #12							organics over sandy soil		Disc.		65a
Norman Wells	Hole #13							organics over sandy soil		Disc.		65a
Norman Wells	Hole #14							organics		Disc.	Sept. obs only	17a
Norman Wells	Hole #17							organics over sandy soil	no pf	Disc.		65a
Norman Wells	Water Treatment Plant								~370	Disc.		17a
Norman Wells	Hockey Arena								~172	Disc.		17a
Manners Ck.	undisturbed site								105	Disc.		35b
YUKON												
Haines Junction	-	-	-	-	-	-	Grass	na	-	Disc.		2,3,4,5,9
Watson Lake A	-	-	-	-	-	-	Grass	na	-	Disc.		3,4,5,9
Tuichita	Peat plateau	-	-	-	-	-	na	Peat	80.0	Disc.		35
Mayo	Glaciolacustrine A	-	-	-	-	-	Spruce forest	Glaciolacustrine sed.	80.0	Disc.		20
Mayo	Glaciolacustrine B	-	-	-	-	-	Spruce forest	Glaciolacustrine sed.	80.0	Disc.		20
Mayo	Alluvial C	-	-	-	-	-	na	Alluvial deposits	80.0	Disc.		20
BRITISH COLUMBIA												
Prince George A	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Summit Lake A	Summit Pass	-1.10	-	-	-	-	Lichen	sandy, boulder till	350.0	Disc.		34,35
Summit Lake B	Upper Testa R	1.80	-	-	-	-	Forest	colluvium, siltstone	-	Disc.		34
Summit Lake C	Lower Testa R	0.60	-	-	-	-	Forest	gravel, sandstone	-	Disc.		34
Summit Lake D	Mill Ck	1.70	-	-	-	-	Muskeg, willow	clayey till, shale	-	Disc.		34
Summit Lake E	Steamboat	1.90	-	-	-	-	Black spruce, willow	colluvium, sandstone, siltstone	-	Disc.		34
ALBERTA												
Lethbridge	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Vauxhall	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9

SITE LOCATION	SITE IDENTIFIER	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
LaCombe	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Ellerslie	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Ellerslie Soil Sci Res Stn	10km S of Edmonton	-	-	-	-	-	Grass	Clay	na	no pf		65
Vegreville	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Edson A	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Beaverlodge	-	-	-	-	-	-	Grass	Silt loam	-	no pf		30
Beaverlodge	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Slave Lake	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Peace River	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Fort Vermilion	-	-	-	-	-	-	Grass	na	-	Disc		2,3,4,5,9
Plateau Mtn	#2	-1.10	-	-	-	-	Tundra	na	550.0	Alpine		35
Marmot Basin	#1	-1.30	-	-	-	-	Tundra	Till, bedrock	-	Alpine		35
Petitot River N	84-5A	-	-	-	-	-	na	Clay Till	<100	Disc		15
Petitot River N	84-5B	-	-	-	-	-	na	Peat, Clay till	<100	Disc		15
Petitot River S	84-6	-	-	-	-	-	na	Peat, Clay till	<100	Disc.		15
Plateau Mtn	Blocky slope								45	Alpine		35a
Plateau Mtn	Loess pocket						grass		nopf	no pf		35a
SASKATCHEWAN												
Swift Current A	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Swift Current	-	-	-	-	-	-	Grass	Silty loam	-	no pf		30
Swift Current	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Broadview	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Regina	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Yorkton A\	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Kindersley	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Outlook	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Wynyard	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Saskatoon SRC	-	-	-	-	-	-	Grass	na	na	no pf		7
Saskatoon	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Hudson Bay	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
La Ronge A	-	-	-	-	-	-	Grass	na	-	Disc		2,3,4,5,9
Cree Lake	-	-	-	-	-	-	Grass	na	-	Disc.		3,4,5,9
MANITOBA												
Winnipeg	-	-	-	-	-	-	Grass	Clay deposits	-	no pf		64
Winnipeg Int'l A	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Whiteshell Nuclear Res. Est	Near Pinawa, Man.	-	-	-	-	-	Grass	na	-	no pf		23
Gimli	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Pasquia Project	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Thompson	-	-	-	-	-	-	Grass	na	-	Disc		3,4,5,9
Thompson	E	-	-	-	-	-	Exposed bedrock	na	-	Disc		11
Thompson	D	-	-	-	-	-	Black spruce	Brown clay	75.0	Disc		11
Thompson	A	-	-	-	-	-	Black spruce	Silt, clay	no permafrost	Disc		11
Thompson	B	-	-	-	-	-	Black spruce, peat	Brown clay	no permafrost	Disc		11
Thompson	C	-	-	-	-	-	Black spruce, peat	Brown clay	48.0	Disc.		11
Charlebois Siding	R69-2-6 Peat Plateau						Black spruce, tamarack, moss, sedges	Peat over marine, lacustrine silt/clay	~100	Disc.	Temp obs for Dec, Mar, May, Aug only	29a
Charlebois Siding	R69-2-7 Fen						Black spruce, tamarack, moss, sedges	Peat over sandysilt, clay (marine&lacustrine)	no pf	Disc.	Temp obs for Mar, May, Aug only	29a
Charlebois Siding	R69-2-11 Peat Plateau						Black spruce, tamarack, moss, sedges	Peat over marine &lacustrine silt, clay	~100	Disc.	Temp obs for May, Aug only	29a
Nelson River	R68-1-1 River Bank						Spruce, poplar, birch	Glaciofluvial sand over clay till	no pf	Disc	Temp obs for May only	29a

SITE LOCATION	SITE IDENTIFIER	MAGT (°C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
S of Pennycuttaway River	R65-4-3 Peat Plateau						Dense black spruce, sphagnum, lichen	Peat over marine,lacustrine silt/clay	~250	Disc.	Temp obs for May Aug only	29a
N of Gods River	R59-1-1 Peat Plateau						Dense black spruce, sphagnum, lichen	Peat over marine clay, till	~125	Disc.	Temp obs for May Aug only	29a
N of Gods River	R59-1-4 Peat Plateau						Dense black spruce, sphagnum, lichen	Peat over marine clay, till	~100	Disc.	Temp obs for May Aug only	29a
ONTARIO												
Ottawa	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Perch Lake, Chalk R	-	-	-	-	-	-	Grass	Sandy	-	no pf		66
Atikokan	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Kapuskasing	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
QUEBEC												
Ste Anne De Bellevue	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
St Augustin	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Foret Montmorency	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
La Pocatiere	-	-	-	-	-	-	Grass	na	-	no pf		2,3,4,5,9
Val D'or	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Caplan	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Normandin	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Normandin	-	-	-	-	-	-	Grass	Silt loam	-	no pf		30
Kuujjuaq A	-	-	-	-	-	-	Grass	na	-	Disc		2,3,4,5,9
Kangiqsualujjuaq	Till	-	-	-	-	-	na	Till	245.0	Cont.		52
Kangiqsualujjuaq	Tidal Marsh	-	-	-	-	-	na	Clay,Silt	220.0	Cont.		52
Kangiqsualujjuaq	Tidal Flat	-	-	-	-	-	na	na	no pf	Cont.		52
Quaqtaq	rock	-4.50	-	-	-	-	na	Granite gneiss	480.0	Cont.		48
Salluit	rock	-6.50	-	-	-	-	na	Granite gneiss	220.0	Cont.		1,52
Salluit	till	-5.90	-	-	-	-	na	Till	130.0	Cont.		1,52
Salluit	silt	-5.50	-	-	-	-	na	silt,peat	60.0	Cont.		1,52
Tasiujaq	rock	-2.20	-	-	-	-	na	Schist	550.0	Disc.		1,52
Schefferville-3	Timmins 4	-0.64	-0.59	Apr	-0.73	Sep				Disc.	Snow cover data from AES station	37a,4,5
NEWFOUNDLAND												
Goose	-	-	-	-	-	-	Grass	na	-	Disc		2,3,4,5,9
St. John's W	-	-	-	-	-	-	Grass	na	-	no pf		3,4,5,9
Knob Lake	-	-	-	-	-	-	na	na	na	Disc		21,9

GROUND TEMPERATURE AVAILABLE AT ONLY ONE DEPTH

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION metres (a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY AIR TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL (cm)	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)
NORTHWEST TERRITORIES/NUNAVUT																	
Arctic Islands																	
Melville Island	16-1	76.35	108.45	61	EBA	I	1978 - 1982	na	na	na	na	na	na	na	-	-	13.00
Melville Island	D2-5 (PGP)	76.23	108.84	84	EBA	I	1977 - 1982	na	na	na	na	na	na	na	-	-	11.40
Melville Island	13-2	76.15	108.88	34	EBA	I	1978 - 1982	na	na	na	na	na	na	na	-	-	13.00
Melville Island	R239-4 (PGP)	75.56	104.49	8	EBA	I	1977 - 1978	na	na	na	na	na	na	na	-	-	13.00
Melville Island	R240A-1-3 (PGP)	75.56	104.89	61	EBA	I	1977 - 1978	na	na	na	na	na	na	na	-	-	11.20
Melville Island	R240A-1 (PGP)	75.56	104.93	61	EBA	I	1977 - 1978	na	na	na	na	na	na	na	-	-	13.00
Melville Island	10-2	75.90	109.04	46	EBA	I	1978 - 1982	na	na	na	na	na	na	na	-	-	8.10
Melville Island	245-1 (PGP)	75.51	108.58	23	EBA	I	1978 - 1981	na	na	na	na	na	na	na	-	-	9.15
Melville Island	2-6	75.21	108.55	122	EBA	I	1978 - 1981	na	na	na	na	na	na	na	-	-	10.80
Melville Island	1-8	75.12	108.61	23	EBA	I	1978 - 1981	na	na	na	na	na	na	na	-	-	13.00
Melville Island	R245A-2 (PGP)	75.76	108.81	61	EBA	I	1977 - 1982	na	na	na	na	na	na	na	-	-	13.00
Melville Island	247-3 (PGP)	75.68	108.79	8	EBA	I	1977 - 1982	na	na	na	na	na	na	na	-	-	8.65
Melville Island	7-2	75.75	108.67	8	EBA	I	1978 - 1981	na	na	na	na	na	na	na	-	-	11.00
Truelove Lowlands,Devon Is.	A1) Beach ridge, S slope	75.55	84.67	38	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	23.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	A2) -top	75.55	84.67	38	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	30.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	A3) -north slope	75.55	84.67	38	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	53.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	B) Tundra-meadow	75.55	84.67	53	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	48.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	C) Limestone-coast	75.55	84.67	1	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	33.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	D) Limestone-inland	75.55	84.67	9	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	33.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	E) Granite Gneiss	75.55	84.67	75	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	15.0	Oct - Jun	0.0
Truelove Lowlands,Devon Is.	F) Upland Plateau	75.55	84.67	306	DBR	I	05/1972 - 05/1973	(Resolute) -18.7	na	na	na	na	na	na	38.0	Oct - Jun	0.0
Resolute	-	74.68	94.90	17	na	I	1954 - 1957	-16.2	na	na	na	na	na	na	-	-	15.2 - 30.5
Milne Inlet	-	72.33	80.50	-	na	I	na	(Pond Inlet) -14.3	na	na	na	na	na	na	-	-	15.20
Mary River	-	71.18	79.35	-	na	I	na	(Pond Inlet) -14.3	na	na	na	na	na	na	-	-	9.10
Pangnirtung		66.00	65.50	-	other	I	na	-10	na	na	na	na	na	na	na	na	0
Iqaluit Permafrost Site	North borehole	63.80	68.50	-	other	A	08/89-1994	-9.3	7.6	July	-25.9	Feb	255.5	Oct	na	na	5
Mackenzie Delta																	
Garry Island	1	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 10.8	-	0.91
Garry Island	2	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 38.7	-	0.91

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION metres (a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY AIR TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL (cm)	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)
Garry Island	3	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 71.5	-	0.91
Garry Island	4	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 16.2	-	0.91
Garry Island	5	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 9.9	-	0.91
Garry Island	6	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 11.4	-	0.91
Garry Island	7	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 38.8	-	0.91
Garry Island	8	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 11.3	-	0.91
Garry Island	9	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 45.0	-	0.91
Garry Island	10	69.50	135.77	-	na	I	07/1969 - 06/1970	na	na	na	na	na	na	na	avg snow depth 51.8	-	0.91
Mackenzie Delta	-	68.32	133.83	11	na	I	06/05/1961	(Aklavik) -9.1	na	na	na	na	na	na	-	-	0 - 30.5
Mackenzie Delta	TC1 Niglintagak#HT276	69.30	135.20	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	15 m Zero Amp
Mackenzie Delta	TC2 Niglintagak Bar	69.30	135.20	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC3 MiddleCh#HT273	69.30	135.30	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	15 m ZeroAmp
Mackenzie Delta	TC4 Aklak channel #HT283	69.30	135.20	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	17 m ZeroAmp
Mackenzie Delta	TC5 Kumak Ch #HT272	69.40	135.30	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	15 m ZeroAmp
Mackenzie Delta	TC6 Niglintagak 1593	69.40	135.30	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	12 m ZeroAmp
Mackenzie Delta	TC7 Harry Ch #HT286	69.50	134.70	-	GSC	A	08/90-07/92	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC8 Harry Ch #HT277	69.50	134.70	-	GSC	A	07/91-07/92	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC11 Mouth Harry Ch	69.50	134.80	-	GSC	A	08/91-06/93	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC12 Bar Harry Ch	69.50	134.80	-	GSC	A	08/91-07/92	-	na	na	na	na	na	na	-	-	15 m ZeroAmp
Mackenzie Delta	TC13 Harry Ch North of Big Horn Pt	69.40	134.90	-	GSC	A	08/91	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC14 Harry Ch South of Big Lake	69.30	135.00	-	GSC	A	08/91-06/93	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC15 Mouth East Ch	69.50	133.80	-	GSC	A	09/91	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Mackenzie Delta	TC16 Bar Kumak Ch	69.30	135.40	-	GSC	A	08/91-04/92	-	na	na	na	na	na	na	-	-	15 m ZeroAmp
Mackenzie Delta	TC17 Goose Is. north	69.45	135.38	-	GSC	A	08/91-07/92	-	na	na	na	na	na	na	-	-	15 m ZeroAmp
Mackenzie Delta	TC18 Goose Is. south	69.45	135.38	-	GSC	A	08/91-06/93	-	na	na	na	na	na	na	-	-	20 m ZeroAmp
Inuvik	-	68.30	133.48	60	na	I	1961 - 1963	(Aklavik) -9.1	na	na	na	na	na	na	-	-	7.6 - 30.5
North Head	C3 100m from Beaufort coast	69.72	134.45	3	GSC	A	1994-1997	-10.53	24.13	na	<-37.2	na	na	na	-	-	0.07
Taglu	C4	69.37	134.95	<2	GSC	A	1994-1997	-11.51	25.29	na	<-37.2	na	na	na	-	-	0.07
Lousy Point	C5 glaciofluvial ridge	69.22	134.28	30	GSC	A	1994-1995	-9.73	28.48	na	<-37.32	na	na	na	-	-	0.07
Reindeer Depot	C7 surface of bar in East Channel	68.02	134.14	5	GSC	A	1996-1997	-9.14	27.8	na	-39.6	na	na	na	-	-	0.07
Rengleng River	C8 Alluvial plain	67.79	134.13	8	GSC	A	1994-1997	-9.08	29.18	na	<-37.37	na	na	na	-	-	0.07
Other NWT/Nunavut																	

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION metres (a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY AIR TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL (cm)	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)
Tundra Mines Ltd.	-	67.43	115.53	-	DBR	I	na	-8.3	na	na	na	na	na	na	-	-	99.10
Meadowbank River	-	65.30	95.42	130	DBR	I	1974 - 1976	approx. -12.8	na	na	na	na	na	na	avg snowdepth 51	-	8.23
Norman Wells	-	65.30	126.82	73	DBR	I	1958 - 1962	-6.2	na	na	na	na	na	na	-	-	15.2 - 30.5
Norman Wells	mainland#495	65.29	120.57	63	EBA	I	03/82-05/82	-	na	na	na	na	na	na	-	-	ZeroAmp
Norman Wells	Maninland#497	65.28	120.85	55.6	EBA	I	03/82-05/82	-	na	na	na	na	na	na	-	-	ZeroAmp
Norman Wells	Bear Is #496	65.25	120.88	51.2	EBA	I	03/82-05/82	-	na	na	na	na	na	na	-	-	ZeroAmp
Norman Wells	Bear Is#498	65.26	120.89	49	EBA	I	03/82-05/82	-	na	na	na	na	na	na	-	-	ZeroAmp
Contwoyto Lake	Lupin Gold Mine	65.75	111.20	470-505	EBA	I	-	-12.1	na	na	na	na	137	na	-	-	0
Thelon River	-	64.50	96.70	61	DBR	I	1974 - 1976	approx. -12.5	na	na	na	na	na	na	avg snow depth 28	-	8.23
Baker Lake	Kiggavik Mine	64.50	97.50	170	other	I	-	-12.2			na	na	100	na	-	-	0
Thirty Mile Lake	-	63.50	96.80	91	DBR	I	1974 - 1976	approx. -12.0	na	na	na	na	na	na	avg snow depth 41	-	5.49
Kazan River	-	63.04	97.10	168	DBR	I	1974 - 1976	approx. -11.7	na	na	na	na	na	na	-	-	8.80
Rankin Inlet	-	62.82	92.08	-	DBR	I	1960	esterfield In.) -11.6	na	na	na	na	na	na	-	-	30.50
Rankin Inlet	1	62.83	92.00	24	DBR	I	1974 - 1976	-11.6	na	na	na	na	na	na	6	-	13.87
Rankin Inlet	2	62.83	92.00	26	DBR	I	1974 - 1976	-11.6	na	na	na	na	na	na	18	-	12.50
Rankin Inlet	3	62.83	92.00	32	DBR	I	1974 - 1976	-11.6	na	na	na	na	na	na	14	-	4.88
Rankin Inlet	4	62.83	92.00	30	DBR	I	1974 - 1976	-11.6	na	na	na	na	na	na	73	-	4.27
Yellowknife	-	62.47	114.45	208	DBR	I	1954 - 1957	-5.4	na	na	na	na	na	na	-	-	0.7 - 2.5
Kogtok River	-	62.09	97.05	183	DBR	I	1974 - 1976	approx. -10.3	na	na	na	na	na	na	-	-	6.50
Fort Simpson	-	61.87	121.35	127	DBR	I	1959 - 1962	-3.9	na	na	na	na	na	na	-	-	0 - 1.5
Maguse Lake	1	61.83	95.15	61	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	21	-	15.54
Maguse Lake	2	61.83	95.15	61	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	-	-	
Heninga Lake	1	61.75	96.33	107	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	21	-	15.54
Heninga Lake	2	61.75	96.33	114	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	18	-	14.78
Heninga Lake	3	61.75	96.33	99	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	23	-	14.94
Heninga Lake	4	61.75	96.33	91	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	20	-	14.94
Noomut River	-	61.50	96.83	152	DBR	I	1974 - 1976	approx. -9.7	na	na	na	na	na	na	-	-	5.90
Tha-Anne River	-	61.02	96.70	175	DBR	I	1974 - 1976	approx. -9.4	na	na	na	na	na	na	-	-	6.10
Fort Smith	-	60.02	111.97	203	DBR	I	1950's	-3.2	na	na	na	na	na	na	-	-	4.60
Mountain River	C9 alluvial terrace	65.67	126.83	39	GSC	A	1993-1997	-6.77	29.49	na	<-37.37	na	na	na	-	-	0.07
Norman Wells	C11 alluvial terrace	65.20	126.46	51	GSC	A	1994-1997	-6.62	32.49	na	<-37.37	na	na	na	-	-	0.07
Ochre River	C13 fluvial terrace	63.47	123.69	97	GSC	A	1993-1996	-4.67	31.89	na	-44.74	na	na	na	-	-	0.07

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION metres (a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY AIR TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL (cm)	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)
Willowlake River	C14 top of inactive fluvial bar	62.70	123.06	103	GSC	A	1993-1996	-4.02	29.96	na	<-37.3	na	na	na	-	-	0.07
Fort Simpson	C15 glaciolacustrine plain	61.89	121.60	~165	GSC	A	1993-1996	-3.28	32.33	na	-44.16	na	na	na	-	-	0.07
YUKON																	
Aishihik	-	61.65	137.48	966	DBR	I	1953 - 1959	-4.2	na	na	na	na	na	na	-	-	6.10
Kay Point -7	#205	69.21	138.39	5	EPB	I	-	na	na	na	na	na	na	na	-	-	10.00
Alcan Foothills -1	#226	62.53	140.95	686	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -2	#226	62.29	140.77	747	EPB	I	-	na	na	na	na	na	na	na	-	-	7.00
Alcan Foothills -3	#226	61.59	139.45	747	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -4	#226	61.45	139.23	820	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -5	#226	61.27	138.84	823	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -6	#226	61.24	138.78	845	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -7	#226	61.72	139.84	780	EPB	I	-	na	na	na	na	na	na	na	-	-	3.00
Alcan Foothills -8	#226	61.71	139.84	780	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -9	#226	61.68	139.73	716	EPB	I	-	na	na	na	na	na	na	na	-	-	5.00
Alcan Foothills -10	#226	61.51	139.32	777	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -11	#226	61.25	138.80	823	EPB	I	-	na	na	na	na	na	na	na	-	-	4.00
Alcan Foothills -12	#226	60.92	137.87	840	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -13	#226	60.85	136.99	698	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Alcan Foothills -14	#226	60.82	136.70	750	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Monenco -3	#232	62.34	136.38	547	EPB	I	-	na	na	na	na	na	na	na	-	-	10.00
Clinton Creek -2	#112	64.44	140.74	557	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Clinton Creek -3	#112	64.44	140.74	476	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
Clinton Creek -4	#112	64.44	140.74	506	EPB	I	-	na	na	na	na	na	na	na	-	-	6.00
BRITISH COLUMBIA																	
Ruby Creek -4	#188	59.71	133.40	1475	EPB	I	-	na	na	na	na	na	na	na	-	-	16
ALBERTA																	
Fort Vermilion	-	58.38	116.05	290	DBR	I	1959 - 1962	-2.1	na	na	na	na	na	na	-	-	0 - 1.5
Keg River	-	57.78	117.83	427	DBR	I	Sept. 1963	-0.6	na	na	na	na	na	na	-	-	1.50
SASKATCHEWAN																	
Uranium City	-	59.57	108.62	-	DBR	I	1954 - 1957	-4.4	na	na	na	na	na	na	-	-	9.10
MANITOBA																	
Churchill	-	58.77	94.13	24	DBR	I	July 1955	-7.2	na	na	na	na	na	na	-	-	7.6 - 16.5
Kelsey	-	56.03	96.53	183	DBR	I	1958 - 1963	-3.6	na	na	na	na	na	na	-	-	9.10

SITE LOCATION	SITE IDENTIFIER	LATITUDE (°N)	LONGITUDE (°W)	ELEVATION metres (a.s.l.)	TYPE OF INFORMATION	STATUS	PERIOD	MEAN ANNUAL AIR TEMPERATURE (°C)	MAX MONTHLY AIR TEMPERATURE (°C)	MONTH	MIN MONTHLY TEMPERATURE (°C)	MONTH	AVERAGE ANNUAL SNOWFALL (cm)	MONTH OF MAX SNOWFALL (cm)	MAX THICKNESS OF SNOWCOVER (cm)	DURATION OF SNOWCOVER	DEPTH (metre)
Thompson	-	55.60	98.70	213	DBR	I	1961 -1963	-3.9	na	na	na	na	na	na	-	-	7.70
Churchill	1	58.75	94.05	35	DBR	I	1974 - 1976	-7.3	-3.3	na	-11.3	na	183.9	na	31	-	14.94
Churchill	2	58.75	94.05	15	DBR	I	1974 - 1976	-7.3	-3.3	na	-11.3	na	183.9	na	26	-	15.24
Churchill	3	58.75	94.05	23	DBR	I	1974 - 1976	-7.3	-3.3	na	-11.3	na	183.9	na	40	-	15.54
Churchill	4	58.75	94.05	20	DBR	I	1974 - 1976	-7.3	-3.3	na	-11.3	na	183.9	na	59	-	14.63
Nejanilini River	-	59.83	96.50	168	DBR	I	1974 - 1976	approx. -7.5	na	na	na	na	na	na	21	-	15.54
QUEBEC																	
Asbestos Hill	-	61.90	73.97	457	DBR	I	1962-1964	-10.6	na	na	na	na	183	na	-	-	<15.24
Asbestos Hill	-	61.83	73.75	503	DBR	I	Avg 15/04/62&8/7/62	-8.3	na	na	na	na	na	na	-	-	15.2 - 61.0
Schefferville	-	54.82	66.68	489	DBR	I	1962	-4.5	na	na	na	na	na	na	-	-	7.6 - 57.9
Kangiqsualujjuaq	rock	58.70	66.00	115	other	A	06/89-12/89	-5.2	na	na	na	na	250	na	-	-	ZeroAmp
Kangiqsualujjuaq	Till	58.70	66.00	130	other	A	06/89-12/89	-5.2	na	na	na	na	250	na	-	-	zeroAmp
Kangiqsualujjuaq	Silt clay	58.70	66.00	15	other	A	06/89-12/89	-5.2	na	na	na	na	250	na	-	-	ZeroAmp
Quaqtaq	Sediment	61.03	69.50	30	other	A	07/88-12/92	-8	na	na	na	na	175	na	-	-	ZeroAmp
Quaqtaq	Sedimet	61.03	69.50	30	other	A	07/88-12/92	-8	na	na	na	na	175	na	-	-	ZeroAmp
Kangiqsujuaq	rock	61.50	72.00	155	other	A	08/88-12/93	-8	na	na	na	na	175	na	-	-	ZeroAmp

GROUND TEMPERATURE AVAILABLE

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
NORTHWEST TERRITORIES/NUNAVUT												
Arctic Islands												
Melville Island	16-1	~-17.0	-	-	-	-	Mosses and sedges	Clay and ice	~10-20	Cont		28,29
Melville Island	D2-5 (PGP)	~-16.8	-	-	-	-	Mosses,lichen, sedges	Silt, ice and clay	~10	Cont		28,29
Melville Island	13-2	~-16.3	-	-	-	-	Mosses and sedges	Clay, ice and silt	~10	Cont		28,29
Melville Island	R239-4 (PGP)	~-15.5	-	-	-	-	Sparse sedges, moss	Sand, silt and clay	~35	Cont		28
Melville Island	R240A-1-3 (PGP)	~-16.1	-	-	-	-	Mosses,lichen, sedges	Silt and clay	~30	Cont		28
Melville Island	R240A-1 (PGP)	~-17.0	-	-	-	-	Mosses,lichen, sedges	Silt, ice and clay	~20	Cont		28
Melville Island	10-2	~-17.6	-	-	-	-	Well vegetated	Sand and clay	~10	Cont		28,29
Melville Island	245-1 (PGP)	~-16.1	-	-	-	-	Dense tundra types	Silt, clay and ice	~10	Cont		28,29
Melville Island	2-6	~-17.5	-	-	-	-	Trace of moss,lichen	Silt and sand	~30-38	Cont		28,29
Melville Island	1-8	~-15.9	-	-	-	-	Sparse sedge tussocks	Sands	~25-40	Cont		28,29
Melville Island	R245A-2 (PGP)	~-17.3	-	-	-	-	na	Sand and silt	~40	Cont.		28,29
Melville Island	247-3 (PGP)	~-16.9	-	-	-	-	Dense lichens,sedges	Sand and clay	~30	Cont		28,29
Melville Island	7-2	~-17.1	-	-	-	-	Unvegetated	Sand and silt	~22-35	Cont		28,29
Truelove Lowlands,Devon Is	A1) Beach ridge, S slope	-16.7	-	-	-	-	High arctic tunura	Sandy gravel	110.0	Cont		12,43,4
Truelove Lowlands,Devon Is.	A2) -top	-16.3	-	-	-	-	High arctic tundra	Sandy gravel	91.0	Cont		12,43,4
Truelove Lowlands,Devon Is	A3) -north slope	-15.6	-	-	-	-	High arctic tundra	Peat	61.0	Cont		12,43,4
Truelove Lowlands,Devon Is	B) Tundra-meadow	-14.8	-	-	-	-	High arctic tundra	Peat,stoney clayey silt	70.0	Cont		12,43,4
Truelove Lowlands,Devon Is	C) Limestone-coast	-16.8	-	-	-	-	High arctic tundra	na	122.0	Cont		12,43,4
Truelove Lowlands,Devon Is	D) Limestone-inland	-14.9	-	-	-	-	High arctic tundra	na	140.0	Cont		12,43,4
Truelove Lowlands,Devon Is	E) Granite Gneiss	-14.8	-	-	-	-	High arctic tundra	na	223.0	Cont		12,43,4
Truelove Lowlands,Devon Is	F) Upland Plateau	-14.6	-	-	-	-	High arctic tundra	Stoney clayey silt	<30	Cont		12,43,4
Resolute	-	-12.2 to -13.1	na	na	na	na	na	na	na	Cont		8,13
Milne Inlet	-	-12.2	na	na	na	na	na	na	na	Cont		8,9,4
Mary River	-	-12.2	na	na	na	na	na	na	na	Cont		8,4
Pangnirtung		-8 to -9	na	na	na	na	Tundra	Sand,gravel	160	Cont		36
Iqaluit Permafrost Site	North borehole	-9.2	-5.5	na	-13.0	na	na	Massive gneiss bedrock	na	Cont		38,4,5
Mackenzie Delta												
Garry Island	1	-7.9	-2.4	Oct	-16.4	Mar	Grass,lichen, moss	Stoney silty clay	15 - 50	Cont		47
Garry Island	2	-6.8	-2.1	Oct	-13.7	Mar	-	na	na	Cont		47

SITE LOCATION	SITE IDENTIFIER	MEAN ANNUAL GROUND TEMPERATURE (MAGT °C)	MAX TEMP (°C)	MONTH	MIN TEMP (°C)	MONTH	VEGETATION TYPE	EARTH MATERIALS	ACTIVE LAYER THICKNESS (cm)	PERMAFROST REGION	COMMENTS	REFERENCE SOURCE(S)
Garry Island	3	-7.0	-2.3	Oct	-13.5	Mar	-	na	na	Cont.		47
Garry Island	4	-8.1	-2.8	Oct	-16.3	Mar	-	na	na	Cont.		47
Garry Island	5	-7.8	-2.7	Oct	-15.5	Mar	-	na	na	Cont.		47
Garry Island	6	-7.9	-2.8	Nov	-15.5	Mar	-	na	na	Cont		47
Garry Island	7	-6.8	-2.3	Oct	-13.4	Mar	-	na	na	Cont.		47
Garry Island	8	-7.8	-2.6	Sep	-16.2	Mar	-	na	na	Cont		47
Garry Island	9	-7.7	-2.6	Sep	-15.0	Feb	-	na	na	Cont		47
Garry Island	10	-7.4	-2.5	Oct	-14.6	Mar	-	na	na	Cont		47
Mackenzie Delta	-	-4.6 to -3.1	na	na	na	na	na	na	na	Cont		8,13,4
Mackenzie Delta	TC1 Niglintagak#HT276	-2.0	na	na	na	na	-	na	197	Cont		25
Mackenzie Delta	TC2 Niglintagak Bar	-5.1	na	na	na	na	-	na	195	Cont		25
Mackenzie Delta	TC3 MiddleCh#HT273	-2.2	na	na	na	na	-	na	200	Cont.		25
Mackenzie Delta	TC4 Aklak channel #HT283	-1.5	na	na	na	na	-	na	173	Cont		25
Mackenzie Delta	TC5 Kumak Ch #HT272	-1.8	na	na	na	na	-	na	~200	Cont		25
Mackenzie Delta	TC6 Niglintagak 1593	-6.3	na	na	na	na	-	na	~200	Cont		25
Mackenzie Delta	TC7 Harry Ch #HT286	-7.3	na	na	na	na	-	na	248	Cont		25
Mackenzie Delta	TC8 Harry Ch #HT277	-6.5	na	na	na	na	-	na	100	Cont		25
Mackenzie Delta	TC11 Mouth Harry Ch	-5.3	na	na	na	na	-	na	30	Cont		25
Mackenzie Delta	TC12 Bar Harry Ch	-0.5	na	na	na	na	-	na	193	Cont		25
Mackenzie Delta	TC13 Harry Ch North of Big Horn Pt	-2.6	na	na	na	na	-	na	~200	Cont		25
Mackenzie Delta	TC14 Harry Ch South of Big Lake	-2.7	na	na	na	na	-	na	196	Cont		25
Mackenzie Delta	TC15 Mouth East Ch	-2.6	na	na	na	na	-	na	na	Cont		25
Mackenzie Delta	TC16 Bar Kumak Ch	-6.5	na	na	na	na	-	na	na	Cont		25
Mackenzie Delta	TC17 Goose Is. north	-6.4	na	na	na	na	-	na	93	Cont		25
Mackenzie Delta	TC18 Goose Is. south	-4.0	na	na	na	na	-	na	147	Cont.		25
Inuvik	-	-3.3	na	na	na	na	na	na	na	Cont		8,13,4
North Head	C3 100m from Beaufort coast	-6.9	9.5	na	-21.1	na	low Arctic tundra, sedge	organics over stony silt	62	Cont		37a
Taglu	C4	0.7	18.8	na	-5.4	na	vetch, rush, high willow shrub	organic silt over fine sand	118	Cont		37a
Lousy Point	C5 glaciofluvial ridge	-6.2	8.3	na	-21.6	na	low shrub tundra	organic silt	85	Cont.		37a
Reindeer Depot	C7 surface of bar in East Channel	-6.6	12.9	na	-22.2	na	moss, vascular plants, willow and alder shrubs	organic silt	134	Cont		37a
Rengleng River	C8 Alluvial plain	-1.2	14.1	na	-10.4	na	moss, vascular plants, spruce hardwood mix	silty sand	110	Cont		37a
Other NWT/Nunavut												

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Tundra Mines Ltd.	-	-1.7	na	na	na	na	na	na	na	Disc.		8
Meadowbank River	-	-3.2	na	na	na	na	na	Sand-stones	77	Cont.		10
Norman Wells	-	-3.3 to -1.9	na	na	na	na	na	na	na	Disc.		8,13
Norman Wells	mainland#495	-1.5	na	na	na	na	-	na	na	Disc.		27
Norman Wells	Maninland#497	-0.8	na	na	na	na	-	na	na	Disc.		27
Norman Wells	Bear Is.#496	-2.0	na	na	na	na	-	Peat sand silt	na	Disc.		27
Norman Wells	Bear Is#498	-1.5	na	na	na	na	-	Peat sand silt	na	Disc.		27
Contwoyto Lake	Lupin Gold Mine	-9.0	na	na	na	na	-	Organic, sandy till	60-250	Cont.		24,42
Thelon River	-	-5.2	na	na	na	na	na	Sand-silt-stones	58	Cont.		10
Baker Lake	Kiggavik Mine	-8.0	na	na	na	na	-	na	15-60	Cont.		31,4,5
Thirty Mile Lake	-	-4.9	na	na	na	na	na	Sand-silt-stones	216	Cont.		10
Kazan River	-	-8.8	na	na	na	na	na	Sand-silt-stones	111	Cont.		10
Rankin Inlet	-	-9.4 to -8.3	na	na	na	na	na	na	na	Cont.		8,13,4
Rankin Inlet	1	-7.9	na	na	na	na	na	Greenstone	333	Cont.		10
Rankin Inlet	2	-7.9	na	na	na	na	na	Gravel	150	Cont.		10
Rankin Inlet	3	-7.9	na	na	na	na	na	Silt-clay-stones	117	Cont.		10
Rankin Inlet	4	-6.4	na	na	na	na	na	Gravel	124	Cont.		10
Yellowknife	-	0.5 to -0.3	na	na	na	na	na	na	na	Disc.		8,13
Kogtok River	-	-6.3	na	na	na	na	na	Sand-silt-stones	51	Cont.		10
Fort Simpson	-	1.9 to 0.7	na	na	na	na	na	na	na	Disc.		8,13
Maguse Lake	1	-6.2	na	na	na	na	na	Sand-silt-stones	38	Cont.		10
Maguse Lake	2		na	na	na	na	na	Sand-silt-stones	91	Cont.		10
Heninga Lake	1	-6.2	na	na	na	na	na	Silt-clay-stones	324	Cont.		10
Heninga Lake	2	-6.4	na	na	na	na	na	Granite gneiss	254	Cont.		10
Heninga Lake	3	-4.9	na	na	na	na	na	Granite gneiss	171	Cont.		10
Heninga Lake	4	-5.8	na	na	na	na	na	Granite gneiss	130	Cont.		10
Noomut River	-	-5.4	na	na	na	na	na	Silt-sand	31	Cont.		10
Tha-Anne River	-	-3.9	na	na	na	na	na	Silt-sand	61	Cont.		10
Fort Smith	-	~0.0	na	na	na	na	na	na	na	Disc.		8,13
Mountain River	C9 alluvial terrace	-0.9	9.8	na	-8.9	na	scattered vascular plants, dense birch alder thicket	organic litter over stony sand	60	Disc.		37a
Norman Wells	C11 alluvial terrace	-0.7	12.2	na	-12.9	na	Boreal vascular plants, mixed spruce	organic litter over sandy silt	60	Disc.		37a
Ochre River	C13 fluvial terrace	-0.1	18.2	na	-12.6	na	Boreal vascular plants, mixed black spruce	organic litter over silt	60	Disc.		37a

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Willowlake River	C14 top of inactive fluvial bar	-0.1	21.1	na	-18.3	na	moss, Boreal vascular plants, white spruce	organic litter over silt	84	Disc		37a
Fort Simpson	C15 glaciolacustrine plain	0.2	19.7	na	-14.6	na	moss, Boreal vascular plants, mixed spruce	organic litter over sand	113	Disc		37a
YUKON												
Aishihik	-	-2.1	na	na	na	na	na	na	na	Disc		8,13
Kay Point -7	#205	-7.8	-	-	-	-	na	Silt, sand, gravel	na	Cont		18
Alcan Foothills -1	#226	-2.0	-	-	-	-	na	Silt, organics, ice	na	Disc		18
Alcan Foothills -2	#226	-2.0	-	-	-	-	na	Organics and silt	na	Disc.		18
Alcan Foothills -3	#226	-1.9	-	-	-	-	na	Peat, silt, clay	na	Disc		18
Alcan Foothills -4	#226	-0.8	-	-	-	-	na	Sand, silt, clay	na	Disc.		18
Alcan Foothills -5	#226	-1.7	-	-	-	-	na	Silt, organics, clay	na	Disc		18
Alcan Foothills -6	#226	-0.9	-	-	-	-	na	Peat, clay, sand	na	Disc.		18
Alcan Foothills -7	#226	-0.9	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -8	#226	-0.9	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -9	#226	-1.0	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -10	#226	-2.5	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -11	#226	-1.4	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -12	#226	0.2	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -13	#226	1.6	-	-	-	-	na	na	na	Disc.		18
Alcan Foothills -14	#226	1.3	-	-	-	-	na	na	na	Disc.		18
Monenco -3	#232	-0.5	-	-	-	-	na	Silt and sand	na	Disc.		18
Clinton Creek -2	#112	1.2	-	-	-	-	na	na	na	Disc.		18
Clinton Creek -3	#112	0.4	-	-	-	-	na	na	na	Disc.		18
Clinton Creek -4	#112	-5.3	-	-	-	-	na	na	na	Disc		18
BRITISH COLUMBIA												
Ruby Creek -4	#188	1.3	-	-	-	-	na	na	na	Disc.		18
ALBERTA												
Fort Vermilion	-	4.3 to 3.8	na	na	na	na	na	na	na	Disc		8,13
Keg River	-	-0.6 to 0.0	na	na	na	na	na	na	na	Disc.		8,13
SASKATCHEWAN												
Uranium City	-	-0.6 to 0.0	na	na	na	na	na	na	na	Disc.		8,13
MANITOBA												
Churchill	-	-2.5 to -1.7	na	na	na	na	na	na	na	Cont		8,13
Kelsey	-	-0.8 to -0.3	na	na	na	na	na	na	na	Disc		8,13

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Thompson	-	-0.6 to 0.0	na	na	na	na	na	na	na	Disc.		8,13
Churchill	1	om hole temp -2.9	na	na	na	na	na	Quartzite	761	Cont.		10
Churchill	2	om hole temp -2.6	na	na	na	na	na	Silt-clay-stones	77	Cont.		10
Churchill	3	om hole temp -0.9	na	na	na	na	na	Silt-clay-stones	50	Cont.		10
Churchill	4	tom hole temp 0.4	na	na	na	na	na	Silt-clay-stones	-	Cont.		10
Nejanilini River	-	-6.2	na	na	na	na	na	Sand	na	Cont.		10
QUEBEC												
Asbestos Hill	-	-7.2 to -6.7	na	na	na	na	Tundra Communties	na	106.7 - 121.9	Cont.		51
Asbestos Hill	-	-7.2 to -6.7	na	na	na	na	na	na	na	Cont.		8,13
Schefferville	-	-0.8 to -0.3	na	na	na	na	na	na	na	Disc.		8,13
Kangiqsualujjuaq	rock	-2.0	na	na	na	na	na	Granite gneiss	500	Disc.		46
Kangiqsualujjuaq	Till	-2.6	na	na	na	na	na	Till	200	Disc.		46
Kangiqsualujjuaq	Silt clay	-0.3	na	na	na	na	na	Silty clay	150	Disc.		46
Quaqtaq	Sediment	-5.1	na	na	na	na	na	Sand gravel	140	Cont.		1,46
Quaqtaq	Sedimet	-4.8	na	na	na	na	na	Sand gravel	220	Cont.		1,46
Kangiqsujuaq	rock	-5.8	na	na	na	na	na	Granite gneiss	340	Cont.		1,46